

RECEIVED
CENTRAL FAX CENTER

JAN 23 2007

FAX TRANSMISSION**DATE:** January 23, 2007**PTO IDENTIFIER:** Application Number 10/735,935-Conf. #3714
Patent Number**Inventor:** Tadahiro Naitoh et al.**MESSAGE TO:** US Patent and Trademark Office**FAX NUMBER:** (571) 273-8300**FROM:** OSHA · LIANG LLP

Jonathan P. Osha

PHONE: (713) 228-8600**Attorney Dkt. #:** 04536/027001**PAGES (Including Cover Sheet):** 71**CONTENTS:** Transmittal (1 page)
Petition to Withdraw Holding of Abandonment under 37 C.F.R. § 1.181 - a) (3 pages) and
attachments (65 pages)
Certificate of Transmission (1 page)

If your receipt of this transmission is in error, please notify this firm immediately by collect call to sender at (713) 228-8600 and send the original transmission to us by return mail at the address below.

This transmission is intended for the sole use of the individual and entity to whom it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. You are hereby notified that any dissemination, distribution or duplication of this transmission by someone other than the intended addressee or its designated agent is strictly prohibited.

OSHA · LIANG LLP
1221 McKinney St., Suite 2800, Houston, Texas 77010
Telephone: (713) 228-8600 Facsimile: (713) 228-8778

PTO/SB/97 (09-04)
Approved for use through 07/31/2006. OMB 0651-0031
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

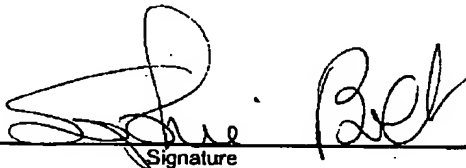
Application No. (if known): 10/735,935

Attorney Docket No.: 04536/027001

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office.

on January 23, 2007
Date



Signature

Sophie M. Bolt

Typed or printed name of person signing Certificate

Registration Number, if applicable(713) 228-8600
Telephone Number

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

Transmittal (1 page)

Petition to Withdraw Holding of Abandonment under 37 C.F.R. § 1.181 (a)
(3 pages) and Attachments (65 pages)

RECEIVED
CENTRAL FAX CENTER

JAN 23 2007

PTO/SB/21 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

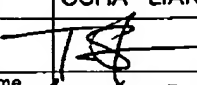
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <small>(to be used for all correspondence after initial filing)</small>	Application Number	10/735,935-Conf. #3714	
	Filing Date	December 15, 2003	
	First Named Inventor	Tadahiro Naitoh	
	Art Unit	2189	
	Examiner Name	Peikari, Behzad	
Total Number of Pages in This Submission	71	Attorney Docket Number	04536/027001

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input checked="" type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fax and Certificate of Transmittal (2 pages)
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	OSHA · LIANG LLP		
Signature	 #45,079		
Printed name	Jonathan P. Osha THOMAS SCHLEIER		
Date	January 23, 2007	Reg. No.	33,986

RECEIVED
CENTRAL FAX CENTER

JAN 23 2007

Docket No.: 04536/027001
(PATENT)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:
Tadahiro Naitoh et al.

Application No.: 10/735,935

Confirmation No.: 3714

Filed: December 15, 2003

Art Unit: 2189

For: DATA STORAGE AND REPRODUCTION
APPARATUS STORING AND
REPRODUCING MULTIMEDIA DATA

Examiner: Peikari, Behzad

PETITION TO WITHDRAW HOLDING OF ABANDONMENT**UNDER 37 C.F.R. § 1.181 (a)**MS Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Notice of Abandonment mailed November 29, 2006, please withdraw the holding of abandonment for the following reasons. The Notice of Allowance mailed on July 25, 2006, was never received by Applicant. Consequently, Applicant was unable to timely present a response to the Notice of Allowance requesting that the issue fee and publication fee paid on April 3, 2006, be applied. Thus, a request for reconsideration of the holding of abandonment of this application is appropriate.

On April 3, 2006, Applicant submitted the payment of issue fee and publication fee for the above-referenced application. A true copy of the originally filed documents and the Issue Notification dated May 24, 2006, is enclosed under Exhibit 1.

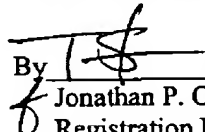
Thereafter, Applicant timely filed a Petition to Withdraw Case from Issue ("Petition") along with a Request for Continued Examination and an Information Disclosure Statement on May 25, 2006. The Decision on the Petition ("Decision") dated June 2, 2006, was received by Applicant with a date-stamp of June 7, 2006. A true copy of the originally filed Petition and the Decision is enclosed under Exhibit 2.

On July 25, 2006, a new Notice of Allowance ("Notice") for the above-captioned application was mailed. Although the Attorney/Agent address is correct on the Notice, Applicant never received the Notice by mail. Applicant learned of the Notice only while doing a routine status check via the Internet. Applicant has consulted the records of the U.S. Patent and Trademark Office and has confirmed that the PTO records show the Notice was mailed on July 25, 2006, to the correct Attorney/Agent address. Despite the fact that PTO records show this document as being mailed, we know that it was not received by our office because we maintain, in addition to our electronic docketing system, a handwritten entry book (docket journal) of every item that arrives in our office by mail or courier. We have checked this book where the non-received Office communication would have been received and have confirmed that the Notice in this case was never received. We have printed the Notice from the U.S. Patent and Trademark Office PAIR Web site, and enclose a copy of the Notice for your records under Exhibit 3. Also enclosed are a copy of the signed Declaration of Deborah K. Doyle, our docketing specialist, copies of the relevant pages of the book, and a copy of computer generated Docket Sheet under Exhibit 4. We confirm that, had we received the Notice, we would have timely responded by requesting application of the fee already paid.

Applicant believes that this petition is complete in its requirements and respectfully requests that a withdrawal of the holding of abandonment be issued for the above application and that the earlier paid issue fee be applied to the Notice mailed on July 25, 2006, for the above application. Alternatively, if the Examiner prefers, Applicant respectfully requests that the Notice of Allowance that was never received by Applicant be re-mailed. If this belief is incorrect, or other issues arise, the Examiner is encouraged to contact the undersigned or his associates at the telephone number listed below. No fee is believed due with this petition. Please apply any charges not covered, or any credits, to our Deposit Account No. 50-0591, under Order No. 04995/147001.

Dated: January 23, 2007

Respectfully submitted,

By  #45,079
Jonathan P. Osha THOMAS SCHERER
Registration No.: 33,986
OSHA · LIANG LLP
1221 McKinney St., Suite 2800
Houston, Texas 77010
(713) 228-8600
(713) 228-8778 (Fax)

Attachments: Copy of documents with regard to Issue Fee paid April 3, 2006
Copy of Issue Notification dated May 24, 2006
Copy of Petition to Withdraw from Issue dated May 25, 2006
Copy of Decision on Petition dated June 2, 2006
Copy of Notice of Allowance dated July 25, 2006
Declaration of Deborah K. Doyle

01/23/2007 17:13 FAX 7132288778

OSHA_LIANG_LL

007/075



EXHIBIT 1

Inventor: Tadahiro Naitoh et al.

Atty Docket No.: 04536/027001

Application No.: 10/735,935

Title: DATA STORAGE AND REPRODUCTION APPARATUS STORING AND
REPRODUCING MULTIMEDIA DATA

Filing Date: December 15, 2003

Documents Filed:

Transmittal Letter (2 pages)

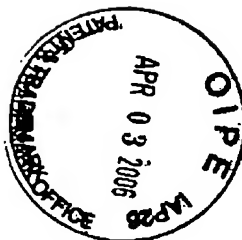
Part B - Fee(s) Transmittal (1 page)

Fee Transmittal (1 page)

Payment by credit card. Form PTO-2038 is attached (1 page)

Charge \$1,712.00 to credit card

Certificate of Express Mailing (1 page)



Via: Express Mail: Airtail No. EV841965426US
Sender's Initials: JPO/NJP/dw

Date: April 3, 2006

PRESS HARD. YOU ARE MAKING 3 COPIES.

ORIGIN (POSTAL SERVICE USE ONLY)

PO ZIP Code: **77205**

Date Accepted: **04-03-06**

Time Accepted: **22:58**

Flat Rate ☐ or Weight: **2.7** lbs.

Postage: **\$14.40**

Return Receipt Fee: **\$**

COO Fee: **\$**

Insurance Fee: **\$**

Total Postage & Fees: **\$14.40**

Acceptance: **[Signature]**

FROM: (PLEASE PRINT) **OSHA LIANG LLP**
ONE HOUSTON CENTER STE
1221 MCKINNEY ST
HOUSTON TX 77010-2026

PHONE: **713 228 8600**

FOR PICKUP OR TRACKING: Visit WWW.USPS.COM

EV 841965426 US



EV 841965426 US



UNITED STATES POSTAL SERVICE®

Customer Copy
Label 11-F, April 2004

Post Office To Addressee

ORIGIN (POSTAL SERVICE USE ONLY)

PO ZIP Code: **77205**

Date Accepted: **04-03-06**

Time Accepted: **22:58**

Flat Rate ☐ or Weight: **2.7** lbs.

Postage: **\$14.40**

Return Receipt Fee: **\$**

COO Fee: **\$**

Insurance Fee: **\$**

Total Postage & Fees: **\$14.40**

Acceptance: **[Signature]**

FROM: (PLEASE PRINT) **OSHA LIANG LLP**
ONE HOUSTON CENTER STE 2600
1221 MCKINNEY ST
HOUSTON TX 77010-2026

PHONE: **713 228 8600**

TO: (PLEASE PRINT) **MAIL STOP ISSUE FEE**
COMMISSIONER - FPR
PO BOX 1450
ALEXANDRIA VA 22304-1450

FOR PICKUP OR TRACKING: Visit www.usps.com or Call 1-800-222-1811

EXPRESS
POSTAGE
DOMESTIC

CALL 1-800-222-1811 FOR PICKUP OR TRACKING OF ALL YOUR PACKAGE

RECEIVED
CENTRAL FAX CENTER

JAN 23 2007

Docket No.: 04536/027001
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Tadahiro Naitoh et al.

Confirmation No.: 3714

Application No.: 10/735,935

Group Art Unit: 2189

Filed: December 15, 2003

Examiner: Leonid Kravets

For: DATA STORAGE AND REPRODUCTION
APPARATUS STORING AND
REPRODUCING MULTIMEDIA DATA

TRANSMITTAL LETTER

MS Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed are the following items for filing in connection with the above-referenced Patent Application:

1. Fee Transmittal (1 page);
2. Part B – Fee(s) Transmittal (1 page);
3. Payment by credit card; Form PTO-2038 attached (1 page); charge \$1,712.00 to credit card;
4. Certificate of Express Mailing (1 page); and
5. Return Receipt Postcard (1 page).

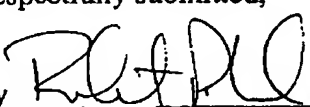
Application No.: 10/735,935

Docket No.: 04536/027001

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0591, under Order No. 04536/027001.

Dated: April 3, 2006

Respectfully submitted,

By  Reg. No. 46,479
for Jonathan P. Osha
Registration No.: 33,986
OSHA · LIANG LLP
1221 McKinney St., Suite 2800
Houston, Texas 77010
(713) 228-8600

PART B - FEE(S) TRANSMITTAL

RECEIVED
CENTRAL FAX CENTER

JAN 23 2007

lete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

UTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where applicable. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as shown on the front of the application, unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for fee notifications.

NT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

2511 7590 01/03/2006

IA LIANG L.L.P.
1 MCKINNEY STREET
FE 2800
JSTON, TX 77010

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2881, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

ICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
1/735,935	12/15/2003	Tadahiro Naitoh	04536.0276-01	3714

INVENTION: DATA STORAGE AND REPRODUCTION APPARATUS STORING AND REPRODUCING MULTIMEDIA DATA

LN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
provisional	NO	\$1400	\$300	\$1700	04/03/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
KRAVETS, LEONID	2189	711-161000

of correspondence address or indication of "Fee Address" (37 CFR 1.53).
Change of correspondence address (or Change of Correspondence Address) form PTO/SB/122) attached.
"Address" indication (or "Fee Address" Indication form PTO/SB/147; Rev 03-02 or more recent) attached. Use of a Customer's form is required.

2. For printing on the patent front page, list
(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 3 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Osha Liang LLP
2 _____
3 _____

FEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for record as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

NAME OF ASSIGNEE

I ELECTRIC CO., LTD.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Daito-shi, Osaka, JAPAN

Mark the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

How many fee(s) are enclosed:

4b. Payment of Fee(s):

Fee

☐ A check in the amount of the fee(s) is enclosed.

Publication Fee (No small entity discount permitted)

☒ Payment by credit card. Form PTO-2038 is attached.Advance Order - # of Copies 4

☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-0591 (enclose an extra copy of this form).

a. Entity Status (from status indicated above)

Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest by the records of the United States Patent and Trademark Office.

Signature

Jonathan P. Osha Reg No. 46,479

Date April 13, 2006

Printed name

Jonathan P. OshaRegistration No. 33,986

on of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and completing application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete the application, or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. FAX TO: (703) 295-1450. * PAGE 12/75 * RCVD AT 1/23/2007 5:09:24 PM [Eastern Standard Time] * SVR:USPTO-EFXXF-3/13 * DNIS:2738300 * CSID:7132288778 * DURATION (mm-ss):29-561450.

RECEIVED
CENTRAL FAX CENTER

JAN 23 2007

PTO/SB/17 (01-06)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

Fees pursuant to the Consolidated Appropriations Act, 2003 (H.R. 4818).

FEE TRANSMITTAL
For FY 2006**Complete if Known**

Application Number	10/735,935-Conf. #3714
Filing Date	December 15, 2003
First Named Inventor	Tadahiro Naitoh
Examiner Name	Leonid Kravets
Art Unit	2189
Attorney Docket No.	04536/027001

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 1,712.00**METHOD OF PAYMENT** (check all that apply)☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):☒ Deposit Account Deposit Account Number: 50-0591 Deposit Account Name: Osha - Liang LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments**FEE CALCULATION** (All the fees below are due upon filing or may be subject to a surcharge.)**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>
- 20 =	x	=		<u>Fee (\$)</u>

HP = highest number of total claims paid for, if greater than 20.

<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
- 3 =	x	=	

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
- 100 =	/50	(round up to a whole number) x	=	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): 1501 Utility issue fee

1504 Publication fee for early, voluntary, or normal ...

8001 Printed copy of patent w/o color

1,400.00

300.00

12.00

SUBMITTED BY

Signature	<i>Jonathan P. Osha</i>	Registration No. (Attorney/Agent)	33,986	Telephone	(713) 228-8600
Name (Print/Type)	Jonathan P. Osha	Date	April 3, 2006		

RECEIVED
CENTRAL FAX CENTER

JAN 23 2007

Application No. (if known): 10/735,935

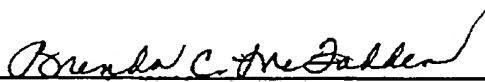
Attorney Docket No.: 04536/027001

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV841965426US, in an envelope addressed to:

MS Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on April 3, 2006
Date


Signature

Brenda C. McFadden

Typed or printed name of person signing Certificate

Registration Number, if applicable

(713) 228-8600
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal Letter (2 pages)
Part B – Fee(s) Transmittal (1 page)
Fee Transmittal (1 page)
Payment by credit card. Form PTO-2038 is attached (1 page)
Charge \$1,712.00 to credit card
Return Receipt Postcard (1 page)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,935	06/13/2006	7062152	04536.02*001	3714

22511 7590 05/24/2006

OSHA LIANG L.L.P.
1221 MCKINNEY STREET
SUITE 2800
HOUSTON, TX 77010

Docketed Action:		
<input type="checkbox"/> New	<input type="checkbox"/> Previously	<input checked="" type="checkbox"/> Non Required
Docket Number: <u>04536.02*001</u>		
Attorney Initials: <u>JPD/NTP</u>		
Docketing Initials: <u>MAE</u>		

RECEIVED

MAY 30 2006

OSHA • LIANG LLP

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 322 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

APPLICANT(s) (up to 18 names are included below, see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Tadahiro Naitoh, Osaka, JAPAN;
Makoto Takemoto, Osaka, JAPAN;

RECEIVED BY FAX FROM OSHA FIELD OFFICE



EXHIBIT 2

Atty Docket No.: 04536/027001

Inventor: Tadahiro Naitoh et al.

Application No.: 10/735,935-Conf. #3714 Filing Date: December 15, 2003
Title: DATA STORAGE AND REPRODUCTION APPARATUS STORING AND
REPRODUCING MULTIMEDIA DATA

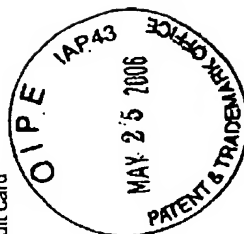
Documents Filed:

Fee Transmittal (1 page)
Petition to Withdraw Application From Issue (RCE) (2 pages)
Request for Continued Examination Transmittal (1 page)
Payment by credit card. Form PTO-2038 is attached (1 page)
Information Disclosure Statement (2 pages)
Certificate of Express Mailing (1 page)
Copies of Information Disclosure Statement (18 pages)

(1 page)

(1 page)

Charge \$920.00 to credit card



Via: Express Mail: Airbill No. EV842277471US
Sender's Initials: JPO/NJP/smb

Date: May 25, 2006



EV 842277471 US

Mailing Label
Label 11-F, April 2004

UNITED STATES POSTAL SERVICE®

Post Office To Addressee

ORIGIN (POSTAL SERVICE USE ONLY)

PO ZIP Code	Day of Delivery <input type="checkbox"/> Next <input type="checkbox"/> 2nd <input type="checkbox"/> 2nd Del. Day	Postage \$
Date Accepted	Scheduled Date of Delivery	Return Receipt Fee \$
Mo. Day Year	Month Day	COD Fee Insurance Fee \$ \$
Time Accepted <input type="checkbox"/> AM <input type="checkbox"/> PM	Scheduled Time of Delivery <input type="checkbox"/> Noon <input type="checkbox"/> 3 PM Military	Total Postage & Fees \$
Flat Rate <input type="checkbox"/> or Weight lbs. ozs.	<input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day Int'l Alpha Country Code	Acceptance Emp. Initials

DELIVERY (POSTAL USE ONLY)

Delivery Attempt	Time	<input type="checkbox"/> A1 <input type="checkbox"/> P1 Employee Signature
Mo. Day	Time	<input type="checkbox"/> A1 <input type="checkbox"/> P1 Employee Signature
Delivery Date	Time	<input type="checkbox"/> A1 <input type="checkbox"/> P1 Employee Signature
Mo. Day	Time	<input type="checkbox"/> A1 <input type="checkbox"/> P1 Employee Signature

CUSTOMER USE ONLY

METHOD OF PAYMENT:

Express Mail Corporate Acct. No.

Federal Agency Acct. No. or
Postal Service Acct. No.

FROM: (PLEASE PRINT)

PHONE (713) 228 8600

OSHA LIANG, LLP
ONE HOUSTON CENTER STE 2800
1221 MCKINNEY ST
HOUSTON TX 77010-2026

04536/027001
JPO/WJP/smb

(PB)

TO: (PLEASE PRINT)

PHONE

MAIL STOP MS-313(c)
COMMISSIONER FOR PATENTS
PO BOX 1450
ALEXANDRIA VA 22313-1450

FOR PICKUP OR TRACKING: Visit www.usps.com or Call 1-800-222-1811

367/500

F:02 T:12

Customer Copy

Label 11-F, April 2004



EV 842277471 US



UNITED STATES POSTAL SERVICE®

Post Office To Addressee

ORIGIN (POSTAL SERVICE USE ONLY)

PO ZIP Code	Day of Delivery <input type="checkbox"/> Next <input type="checkbox"/> 2nd <input type="checkbox"/> 2nd Del. Day	Postage \$ 14.16
Date Accepted	Scheduled Date of Delivery	Return Receipt Fee \$
Mo. Day Year	Month Day	COD Fee Insurance Fee \$ \$
Time Accepted <input type="checkbox"/> AM <input type="checkbox"/> PM	Scheduled Time of Delivery <input type="checkbox"/> Noon <input type="checkbox"/> 3 PM Military	Total Postage & Fees \$ 14.16
Flat Rate <input type="checkbox"/> or Weight lbs. ozs.	<input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day Int'l Alpha Country Code	Acceptance Emp. Initials

DELIVERY (POSTAL USE ONLY)

Delivery Attempt	Time	<input type="checkbox"/> A1 <input type="checkbox"/> P1 Employee Signature
Mo. Day	Time	<input type="checkbox"/> A1 <input type="checkbox"/> P1 Employee Signature
Delivery Date	Time	<input type="checkbox"/> A1 <input type="checkbox"/> P1 Employee Signature
Mo. Day	Time	<input type="checkbox"/> A1 <input type="checkbox"/> P1 Employee Signature

CUSTOMER USE ONLY

METHOD OF PAYMENT:

Express Mail Corporate Acct. No.

Federal Agency Acct. No. or
Postal Service Acct. No.

FROM: (PLEASE PRINT)

PHONE (713) 228 8600

OSHA LIANG, LLP
ONE HOUSTON CENTER STE 2800
1221 MCKINNEY ST
HOUSTON TX 77010-2026

04536/027001

(PB)

TO: (PLEASE PRINT)

PHONE

MAIL STOP MS-313(c)
COMMISSIONER FOR PATENTS
PO BOX 1450
ALEXANDRIA VA 22313-1450

JAN 23 2007

Application No. (if known): 10/735,935

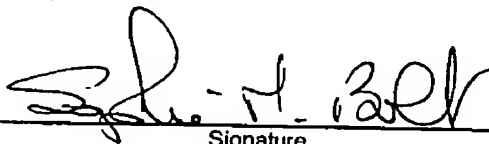
Attorney Docket No.: 04536/027001

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV842277471US in an envelope addressed to:

MS 313(c)
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on May 25, 2006
Date



Signature

Sophie M. Bolt

Typed or printed name of person signing Certificate

Registration Number, if applicable

(713) 228-8600
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Fee Transmittal (1 page)
Petition to Withdraw Application From Issue (RCE) (2 pages)
Request for Continued Examination Transmittal (1 page)
Payment by credit card. Form PTO-2038 is attached (1 page)
Information Disclosure Statement (2 pages)
Copies of Information Disclosure Citations (23 pages)
IDS (Citation) by Applicant (18 references) (1 page)
Charge \$920.00 to credit card

RECEIVED
CENTRAL FAX CENTER

021/075

JAN 23 2007

PTO/SB/17 (01-06)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2006**Complete if Known**

Application Number	10/735,935-Conf. #3714
Filing Date	December 15, 2003
First Named Inventor	Tadahiro Naitoh
Examiner Name	Kravets, Leonid
Art Unit	2189
Attorney Docket No.	04536/027001

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 920.00**METHOD OF PAYMENT** (check all that apply)☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):☒ Deposit Account Deposit Account Number: 50-0591 Deposit Account Name: Osha - Liang LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments
FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
HP = highest number of total claims paid for, if greater than 20.				Fee (\$) Fee Paid (\$)

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
HP = highest number of independent claims paid for, if greater than 3.			

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/50	(round up to a whole number) x		

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)		Fees Paid (\$)
Other (e.g., late filing surcharge): 1464 Petitions to the Director not specifically ...	130.00	
1801 Request for continued examination (RCE) (see 37 ...)	790.00	

SUBMITTED BY

Signature	<i>Jonathan P. Osha</i>	Registration No. (Attorney/Agent)	33,986	Telephone	(713) 228-8600
Name (Print/Type)	Jonathan P. Osha		<i>T. Chuan Liang #48,885</i>	Date	May 25, 2006

RECEIVED
CENTRAL FAX CENTER

JAN 23 2007

PTO/SB/30 (04-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Request For Continued Examination (RCE) Transmittal Address to: MS 313(c) Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Application Number	10/735,935-Conf. #3714
	Filing Date	December 15, 2003
	First Named Inventor	Tadahiro Naitoh
	Art Unit	2189 22511
	Examiner Name	Kravets, Leonid
	Attorney Docket Number	04536/027001

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.

Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

ii. ☐ Other _____

b. ☒ Enclosed

i. ☐ Amendment/Reply

ii. ☐ Affidavit(s)/Declaration(s)

iii. ☒ Information Disclosure Statement (IDS)

iv. ☐ Other _____

2. **Miscellaneous**

a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(l) required)

b. ☒ Other Petition to Withdraw Application from Issue

3. **Fees** The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

a. ☐ The Director is hereby authorized to charge the following fees, any underpayment of fees or credit any overpayments to Deposit Account No. 50-0591. I have enclosed a duplicate copy of this sheet.

i. ☒ RCE fee required under 37 CFR 1.17(e)

ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)

iii. ☒ Other Petitions to the Director not specifically provided for (Group III)

b. ☐ Check in the amount of \$ _____ enclosed

c. ☒ Payment by credit card (Form PTO-2038 enclosed)

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature	<i>T. Chyan Liang</i> #48,885	Date	May 25, 2006
Name (Print/Type)	Jonathan P. Oshia T. Chyan Liang	Registration No.	33,986

RECEIVED
CENTRAL FAX CENTER

JAN 23 2007

Docket No.: 04536/027001
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Tadahiro Naitoh et al.

Allowed: April 03, 2006

Application No.: 10/735,935

Confirmation No.: 5714

Filed: December 15, 2003

Art Unit: 2189

For: DATA STORAGE AND REPRODUCTION
APPARATUS STORING AND REPRODUCING
MULTIMEDIA DATA

Examiner: Kravets, Leonid

**PETITION TO WITHDRAW APPLICATION FROM
ISSUE PURSUANT TO 37 CFR 1.313(c)(2)**

MS 313(c)
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

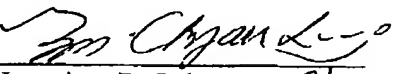
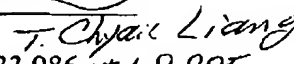
Petitioner hereby petitions the Commissioner to withdraw the above-identified application from issue. The Issue Fee in this application was timely paid on April 3, 2006.

Petitioner respectfully petitions that the above-identified application be withdrawn from issue in order to permit consideration of a submission under 37 CFR 1.114 (Request for Continued Examination with an Information Disclosure Statement) a copy of which is enclosed.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith to our Deposit Account No. 50-0591, under Order No. 04536/027001.

Dated: May 25, 2006

Respectfully submitted,

By 
for Jonathan P. Osha 
Registration No.: 33,986 #49,885
OSHA · LIANG LLP
1221 McKinney St., Suite 2800
Houston, Texas 77010
(713) 228-8600
(713) 228-8778 (Fax)

RECEIVED
CENTRAL FAX CENTER

JAN 23 2007

Docket No.: 04536/027001
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Tadahiro Naitoh et al.

Application No.: 10/735,935

Confirmation No.: 3714

Filed: December 15, 2003

Art Unit: 2189

For: DATA STORAGE AND REPRODUCTION
APPARATUS STORING AND
REPRODUCING MULTIMEDIA DATA

Examiner: Kravets, Leonid

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)MS 313(c)
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PT(SB)/08.

This Information Disclosure Statement is filed after payment of the Issue Fee.

A summary/abstract translation of the non-English language references is enclosed.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

Application No.: 10/735,935

Docket No.: 04536/027001

A concise explanation of relevance of the items listed on form PTO/SB/08 is in the form of an English language copy of two Office Actions from the Japanese patent office, issued in a counterpart application, which refers to the relevant portions of the references.

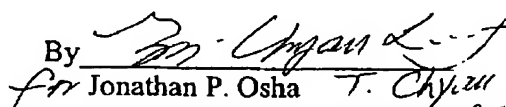
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith to our Deposit Account No. 50-0591, under Order No. 04536/027001.

Dated: May 25, 2006

Respectfully submitted,

By 
for Jonathan P. Osha T. Chyuan Liang
Registration No.: 33,986 #48,883
OSHA · LIANG LLP
1221 McKinney St., Suite 2800
Houston, Texas 77010
(713) 228-8600
(713) 228-8778 (Fax)

JAN 23 2007

PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/735,935-Conf. #3714
				Filing Date	December 15, 2003
				First Named Inventor	Tadahiro Naitoh
				Art Unit	2189
				Examiner Name	Kravets, Leonid
				Attorney Docket Number	04536/027001
Sheet	1	of	2		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	BA	JP-7-249261	09-26-1995	Aiwa Co. Ltd.		
	BB	JP-5-314726	11-26-1993	Sony Corp.		
	BC	JP-9-198848	07-31-1997	Hitachi Ltd.		
	BD	JP-2001-312875	11-09-2001	Matsushita Electric Ind. Co. Ltd.		
	BE	JP-64-10465	01-13-1989	Matsushita Electric Ind. Co. Ltd.		
	BF	JP-10-97766	04-14-1998	Toshiba Corp.		
	BG	JP-2002-330376	11-15-2002	Victor Co. of Japan Ltd.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (W/P O Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Patent Abstracts of Japan, Publication No.: 07-249261, Publication Date: September 26, 1995, 1 page.	
	CB	Patent Abstracts of Japan, Publication No.: 05-314726, Publication Date: November 26, 1993, 1 page.	
	CC	Patent Abstracts of Japan, Publication No.: 09-198848, Publication Date: July 31 1997, 1 page.	
	CD	Patent Abstracts of Japan, Publication No.: 2001-312875, Publication Date: November 09, 2001, 1 page.	
	CE	Patent Abstracts of Japan, Publication No.: 64-010465, Publication Date: January 13, 1989, 1 page.	
	CF	Patent Abstracts of Japan, Publication No.: 10-097766, Publication Date: April 14 1998, 1 page.	
	CG	Patent Abstracts of Japan, Publication No.: 2002-330376, Publication Date: November 15, 2002, 1 page.	
	CH	Japanese Office Action issued for Japanese Application No. 2002-372101, mailed on February 21, 2006, and English translation thereof, 5 pages.	
	CI	Japanese Final Decision for Rejection issued for Japanese Application 2002-372101, mailed on May 23, 2006, and English translation thereof, 4 pages.	

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-249261

(43)Date of publication of application : 26.09.1995

1)Int.Cl.

G11B 20/10

G11B 20/12

G11B 27/00

1)Application number : 06-038774

(71)Applicant : AIWA CO LTD

2)Date of filing : 09.03.1994

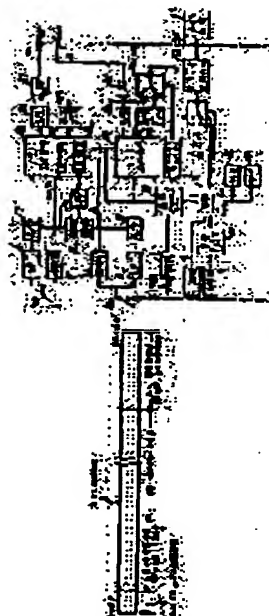
(72)Inventor : TAKADO SEIICHI

4) DATA RECORDING DEVICE

7)Abstract

JPPOSE: To read out data by restoring management information of a sub-management region even if management information of a main management region is destructed, by recording the management information in the main management region, recording the management information of the main management region in the sub-management region after a prescribed time, and updating the management information of the sub-management region.

CONSTITUTION: When one screen of video data of a luminance signal YIN and video data of a carrier chrominance signal CIN is recorded in an external storage device 40, information and the like floating from which sector of a video data region 44 the picture number of recorded video data and recorded video data are recorded, are recorded in a main management region 43 of the external storage device 40 from a control microcomputer 19 through video data terminal 34. Next, when video data recorded in the device 40 is read out, management information of the region 43 of a recording medium 41 is sent to the microcomputer 19 through a switch 30. Then, management information is recorded in the region 43, and the management information of the region 43 is recorded in sub-management region 45 after the prescribed timing, and management information of the region 45 is updated.



QUAL STATUS

date of request for examination] 23.02.2000

date of sending the examiner's decision of rejection] 22.05.2001

kind of final disposal of application other than the examiner's decision of rejection or application converted to registration]

date of final disposal for application]

patent number]

date of registration]

number of appeal against examiner's decision of rejection]

date of requesting appeal against examiner's decision of rejection]

date of extinction of right]

(19) 日本国特許庁 (J P)

(12) 公開特許公報 (A)

(11) 特許出願公開番号

特開平7-249261

(43) 公開日 平成7年(1995)9月26日

(51) Int.Cl.	識別記号	庁内整理番号	F I	技術表示箇所
G 1 1 B 20/10		B 7736-5D		
20/12	1 0 2	9295-5D		
27/00		D 8224-5D		
		8224-5D	G 1 1 B 27/ 00	D

審査請求 未請求 請求項の数 4 C L (全 8 頁)

(21) 出願番号 特願平6-38774

(22) 出願日 平成6年(1994)3月9日

(71) 出願人 000000491

アイワ株式会社

東京都台東区池之端1丁目2番11号

(72) 発明者 高堂 清一

東京都台東区池之端1丁目2番11号 アイ

ワ株式会社内

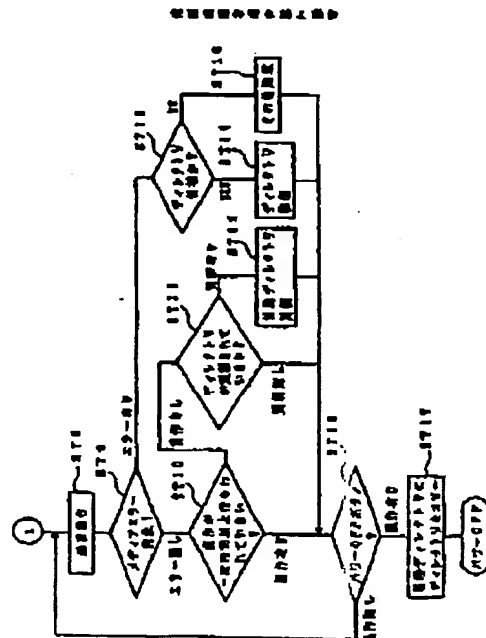
(74) 代理人 弁護士 山口 邦夫 (特 1 名)

(54) 【発明の名称】 データ記録装置

(57) 【要約】

【目的】 管理領域の管理情報が破壊されても、データ領域のデータを読み出すことができるデータ記録装置を提供する。

【構成】 外部記憶装置40の記録媒体41に確保された主管理領域43と副管理領域45に画像データの管理情報を記録する。ステップST10で画像データの記録や再生の操作が一定時間を越えない間に行なうと、ST16に進む。ST16でパワースイッチのオフボタンを操作しないとステップST8に進み記録や再生の動作ができる。ST10で操作を一定時間内に行われないと、ST11で領域43の管理情報の更新を判定し、更新していない場合にはST16に進み、更新した場合にはST12で領域45の管理情報を更新しST16に進む。ST16でパワースイッチのオフボタンを操作すると、ST17で領域43の管理情報を領域45に複写しパワーオフする。



PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-314726

(43) Date of publication of application : 26.11.1993

1) Int Cl.

G11B 27/00

G11B 7/00

G118 27/10

1)Application number : 04-131884

(71)Applicant : SONY CORP

2) Date of filing : 24.04.1992

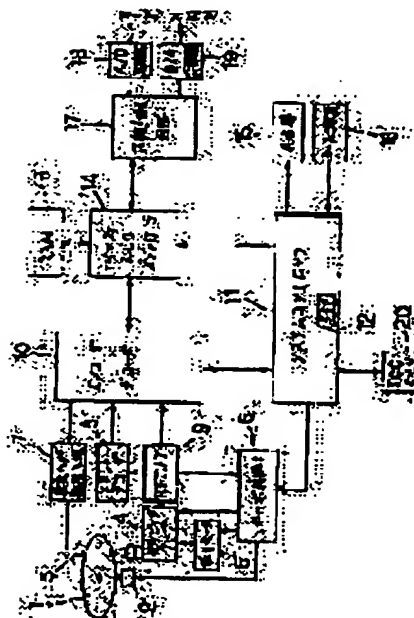
(72)Inventor : OKA NOBUYUKI

4) INFORMATION RECORDER

7) Abstract

PURPOSE: To minimize erasure of information about the starting/ending time to be recorded in a read-in area even when the power supply is stopped by stopping recording data in a data area of recording medium whenever a prescribed time is measured by a timer and recording information in the read-in area.

INSTITUTION: At the time of recording an audio signal S on a magnetooptical recording medium 1, the audio signal to be inputted to an A/D converter 18 is converted into a digital signal, and is then inputted in a compression/ expansion circuit 17. Then, the compressed digital data is continuously stored in a RAM 13 until its storage capacity is filled up based on a write control signal from a buffer memory controller 14, and this signal is burstwise read out based on a read control signal from the controller 14, and is then immediately compression-processed again by the circuit 17, and is then stored in the RAM 13. Afterward, the data read out of the RAM 13 is inputted to an encoder/decoder 10, and after adding address data, modulation and coding, the processed signal is pressed upon a head 3 via a magnetic head driving circuit 7.

**GAL STATUS**

ate of request for examination]

22.04.1989

ste of sending the examiner's decision of rejection]

nd of final disposal of application other than the
aminer's decision of rejection or application converted
istration]

ate of final disposal for application]

itent number]

3220880

rate of registration]

17,08,2001

Number of appeal against examiner's decision of objection]

ite of requesting appeal against examiner's decision of
action]

its of extinction of right]

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-314728

(43)Date of publication of application : 26.11.1993

I)Int.Cl.

G11B 27/00

G11B 7/00

G11B 27/10

1)Application number : 04-131884

(71)Applicant : SONY CORP

2)Date of filing : 24.04.1992

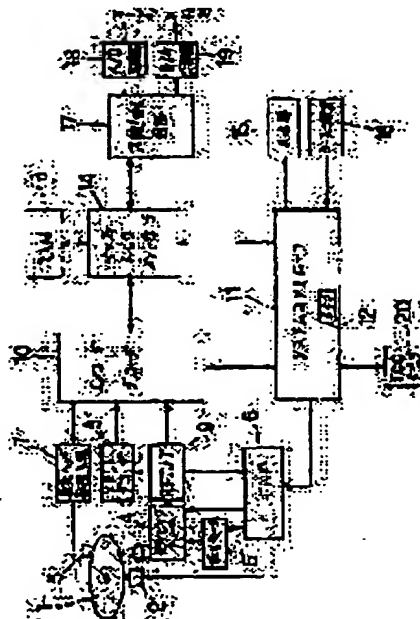
(72)Inventor : OKA NOBUYUKI

I) INFORMATION RECORDER

1)Abstract

PROPOSE: To minimize erasure of information about the writing/ending time to be recorded in a read-in area even when the power supply is stopped by stopping recording data in a data area of recording medium whenever a prescribed time is measured by a timer and recording information in the read-in area.

INSTITUTION: At the time of recording an audio signal S on a magnetooptical recording medium 1, the audio signal to be inputted to an A/D converter 18 is converted into a digital signal, and is then inputted in a compression/expansion circuit 17. Then, the compressed digital data is continuously stored in a RAM 13 until its storage capacity is filled up based on a write control signal from a buffer memory controller 14, and this signal is burstwise read out based on a read control signal from the controller 14, and is then immediately compression-processed again by the circuit 17, and is afterward stored in the RAM 13. Afterward, the data read out of the RAM 13 is inputted to an encoder/decoder 10, and after adding address data, modulation and coding, the processed signal is impressed upon a head 3 via a magnetic head driving circuit 7.



LEGAL STATUS

Date of request for examination]

22.04.1999

Date of sending the examiner's decision of rejection]

Date of final disposal of application other than the examiner's decision of rejection or application converted into a withdrawal]

Date of final disposal for application]

Patent number]

3220980

Date of registration]

17.08.2001

Number of appeal against examiner's decision of rejection]

Date of requesting appeal against examiner's decision of rejection]

Date of extinction of right]

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-188848

(43)Date of publication of application : 31.07.1997

1)Int.Cl.

G11B 27/00

G11B 19/04

G11B 27/10

1)Application number : 08-008990

(71)Applicant : HITACHI LTD
HITACHI MICROCOMPUT SYST LTD

2)Date of filing : 23.01.1998

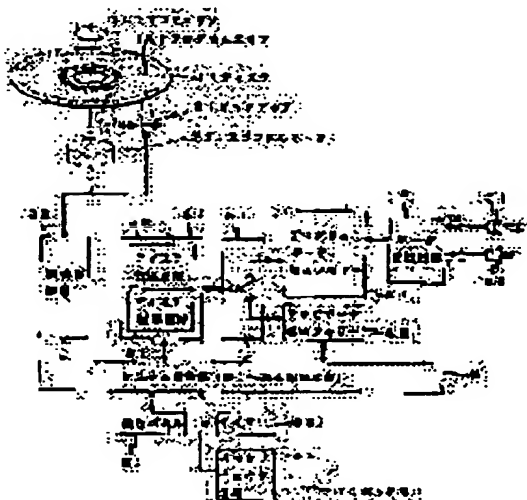
(72)Inventor : TAKAHASHI HIROMASA
HAGIWARA MITSUO

1) MD SYSTEM

1)Abstract:

PROBLEM TO BE SOLVED: To stop the recording data to be lost when a recording operation stops on the way by recording and reserving TOC data relative to the recording content to the midway on a TOC area even on the way of recording.

SOLUTION: When a recording operation is started, a pickup 2 is moved to the TOC area 1B of a disk 1, and TOC data recorded on the area 1b is transferred to a second memory 42. Thereafter, the pickup 2 is moved to the program area 1A of the disk 1, and recorded data are sequentially recorded on the area 1A. Simultaneously, the TOC data in the memory 42 are sequentially dated in response to the recording on the area 1A. In this case, when a record stopping operation or disk discharge operation is conducted, the pickup 2 is moved to the area 1B, and the TOC data stored in the memory 42 is transferred on the area 1B by overwriting.



LEGAL STATUS

[date of request for examination]

[date of sending the examiner's decision of rejection]

[kind of final disposal of application other than the examiner's decision of rejection or application converted to registration]

[date of final disposal for application]

[patent number]

[date of registration]

[number of appeal against examiner's decision of rejection]

[date of requesting appeal against examiner's decision of rejection]

[date of extinction of right]

(19) 日本国特許庁 (J P)

(12) 公開特許公報 (A)

(11) 特許出願公開番号

特開平9-198848

(43) 公開日 平成9年(1997)7月31日

(51) Int. CL ⁴	識別記号	庁内整理番号	P I	技術表示箇所
G 1 1 B 27/00			G 1 1 B 27/00	D
19/04	5 0 1		19/04	5 0 1 D
27/10			27/10	A
			27/00	D
			27/10	A

審査請求 未請求 請求項の数 7 O L (全 8 頁)

(21) 出願番号 特願平9-8990

(22) 出願日 平成8年(1996)1月23日

(71) 出願人 000005108

株式会社日立製作所

東京都千代田区神田駿河台四丁目6番地

(71) 出願人 000233169

株式会社日立マイコンシステム

東京都小平市上水本町5丁目22番1号

(72) 発明者 ▲高▼ 陽政

東京都小平市上水本町5丁目22番1号 株

式会社日立マイコンシステム内

(72) 発明者 萩原 光夫

東京都小平市上水本町5丁目22番1号 株

式会社日立マイコンシステム内

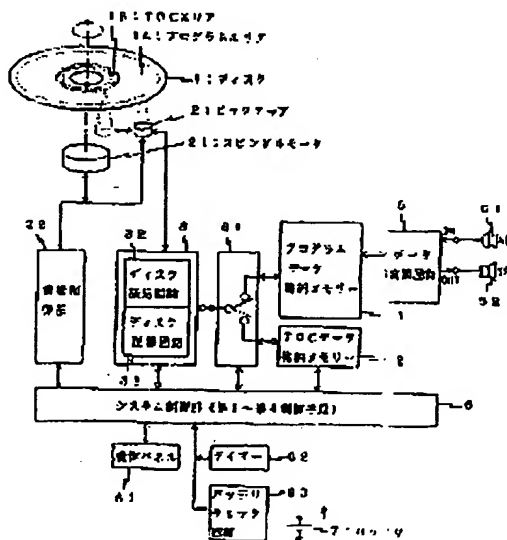
(74) 代理人 弁理士 大日方 官雄

(54) 発明の名称 MDシステム

(57) 要約

【課題】 記憶媒体であるディスクの記録エリアをプログラムエリアとTOCエリアとに物理的に区画して録音／再生を行なうMDシステムにあって、電池切れ等によって録音動作が途中停止するようなことがあっても、それにより失われる録音データを最小限に止めることができるようにする。

【解決手段】 録音動作中にもプログラムエリアへの記録を中断してTOCエリアの記録データを更新させるとともに、この更新中に入力される録音データをメモリーに記憶・蓄積させ、さらにそのメモリーに蓄積された録音データをTOCエリアのデータ更新後に上記プログラムエリアに記録させる。



(19)日本国特許庁(JP)

(12) 公開特許公報 (A)

(11)特許出願公開番号

特開2001-312875

(P2001-312875A)

(43)公開日 平成13年11月9日(2001.11.9)

(51)Int.Cl.	識別記号	PI	コード(参考)
G11B 27/00		G11B 27/00	D 5C052
20/10	301	20/10	301Z 5C053
H04N 5/85		H04N 5/85	Z 5D044
5/91		5/91	N 5D110
5/92		5/92	H

審査請求 有 請求項の数9 (全11頁)

(21)出願番号 特願2000-130456(P2000-130456)

(22)出願日 平成12年4月28日(2000.4.28)

(71)出願人 000005821

松下電産産業株式会社

大阪府門真市大字門真1006番地

(72)発明者 木下 卓巳

香川県高松市古新町8番地の1 松下電

子工業株式会社内

(74)代理人 100081813

弁理士 早瀬 肇一

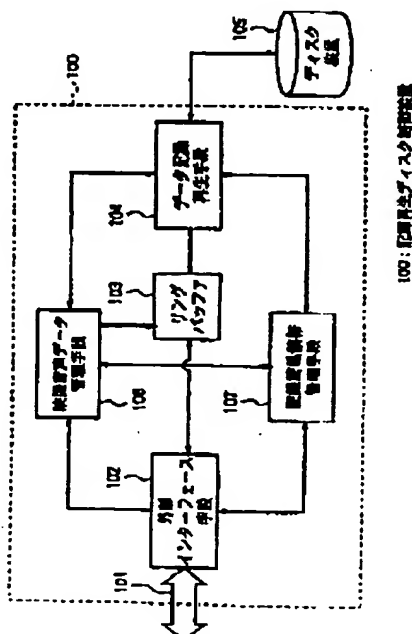
最終頁に続く

(54)【発明の名称】 記録再生ディスク制御装置、及びそれを用いたディスク装置

(57)【要約】

【課題】 DVデータの保存中にも、記録管理情報をDVデータの記録に影響を与えることなく記録し、また、起動時に記録再生ディスク制御装置に設けられたメモリに読み込むべき記録管理情報を容易に選択できる記録再生ディスク制御装置を提供する。

【解決手段】 ディスク状記録媒体にDVデータ、及び記録管理情報を記録し、読み出すデータ記録再生手段104と、データ記録再生手段104によるDVデータの記録に余裕があるか否かを監視する映像音声データ管理手段106と、記録管理情報を一時的に保持し、映像音声データ管理手段106がデータ記録再生手段104によるDVデータの記録に余裕があると検知した場合に、データ記録再生手段104に記録管理情報を出力する記録管理情報管理手段107とを備える。



PATENT ABSTRACTS OF JAPAN

(11)Publication number : 64-010465
 (43)Date of publication of application : 13.01.1989

Int.Cl.

G11B 20/12
 G11B 7/00
 G11B 27/00

1)Application number : 62-165773

(71)Applicant : MATSUSHITA ELECTRIC IND CO LTD

2)Date of filing : 02.07.1987

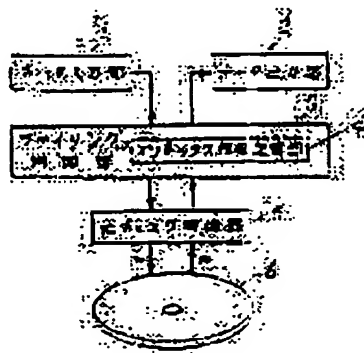
(72)Inventor : SAKAGAMI SHIGEO
 MATSUSHIMA KOJI

1) OPTICAL DISK FILE MANAGEMENT METHOD

1)Abstract

PROPOSE: To utilize the recording area effectively by dividing an optical disk into a data recording area at the outer circumference side and an index recording area at the inner circumference side and recording the data from the outermost circumference and the index from the innermost circumference.

INSTITUTION: The optical disk 6 is divided into the data storage area at the outer circumference side and the index information recording area at the inner circumference side. In recording a data, the data inputted from a data input section 1 is recorded sequentially from the track of the outermost circumference and the index information is recorded sequentially from the innermost circumference track. Thus, the range of the data recording area and the index information recording area is arranged based on the amount of the data and index information optimizimgly to utilize the recording area of the optical disk 6 effectively.



LEGAL STATUS

Date of request for examination]

Date of sending the examiner's decision of rejection]

Kind of final disposal of application other than the examiner's decision of rejection or application converted to registration]

Date of final disposal for application]

Patent number]

Date of registration]

Number of appeal against examiner's decision of rejection]

Date of requesting appeal against examiner's decision of rejection]

Date of extinction of right]

⑨ 日本国特許庁(JP)

⑩ 特許出願公開

⑪ 公開特許公報(A)

昭64-10465

⑫ Int. Cl.

識別記号

庁内整理番号

⑬ 公開 昭和64年(1989)1月13日

G 11 B 20/12
7/00
27/008524-5D
A-7520-5D
D-8726-5D

審査請求 未請求 発明の数 1 (全5頁)

⑭ 発明の名称 光ディスクファイル管理方法

⑮ 特 願 昭62-165773

⑯ 出 願 昭62(1987)7月2日

⑰ 発 明 者 阪 上 茂 生 大阪府門真市大字門真1006番地 松下電器産業株式会社内
 ⑱ 発 明 者 松 島 宏 司 大阪府門真市大字門真1006番地 松下電器産業株式会社内
 ⑲ 出 願 人 松下電器産業株式会社 大阪府門真市大字門真1006番地
 ⑳ 代 理 人 弁理士 中尾 敏男 外1名

明 細 書

1. 発明の名称

光ディスクファイル管理方法

2. 特許請求の範囲

(1) 光ディスクにおける記録領域をデータ記録領域とインデックス情報記録領域とに分割し、前記2つの記録領域のうち最内周トラックを含む記録領域は最内周トラックから記録を始め、前記2つの記録領域のうち最外周トラックを含む記録領域は最外周トラックから記録を始めてなる光ディスクファイル管理方法。

(2) インデックス情報記録領域の各セクタにそのセクタがインデックス情報の最終セクタでなければインデックス情報とともに途中セクタであることを示すマークを記録し、インデックス情報記録領域の各セクタにそのセクタがインデックス情報の最終セクタであればインデックス情報とともに最終セクタであることを示すマークを記録してなる特許請求の範囲第1項記載の光ディスクファイル管理方法。

(3) インデックス情報の最後にインデックス情報終了を示すマークを記録してなる特許請求の範囲第1項記載の光ディスクファイル管理方法。

3. 発明の詳細な説明

産業上の利用分野

本発明は、デジタル信号の記録再生における光ディスクファイル管理方法に関するものである。

従来の技術

従来の光ディスクファイル管理方法としては、例えば特開昭61-266786号公報に示されている。第5図は、この従来の光ディスクファイル管理方法による光ディスクの記録状態を示す図である。第5図において、Aはラベル領域、Bはデータ領域、Cはリザーブ領域である。ラベル領域Aには、データの種別、リザーブ領域がどこから始まっているのか、その使用範囲はどこからどこまでかというような情報が記録される。データ領域Bにはデータが記録される。リザーブ領域Cにはデータのアドレス等を示すインデックス情報が記録される。第6図は、この従来の光ディスク

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-097786

(43)Date of publication of application : 14.04.1998

)Int.Cl.

G11B 20/10

G11B 19/02

)Application number : 08-245301

(71)Applicant : TOSHIBA CORP

)Date of filing : 17.09.1996

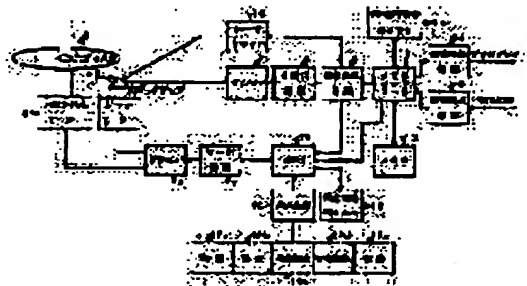
(72)Inventor : KUWABARA MAHO

) OPTICAL DISK RECORDING AND REPRODUCING DEVICE, AND REPRODUCING CONTROL METHOD APPLIED TO THE DEVICE

)Abstract

PROBLEM TO BE SOLVED: To realize restart of continuous reproduction operation and to improve operability relating to reproduction by an user by effectively functioning so-called resuming operation even if it is taken out from an optical disk device.

SOLUTION: This device is an optical disk recording and reproducing device using an optical disk 1 such as a DVD in which data of large capacity can be recorded and reproduced. A CPU 11 detects a reproduction stop position of a recording region conforming to an indication of stopping reproduction from an input device 12, and records a resuming address showing this reproduction stop position in an UTOC(user table of contents) region of the optical disk 1. Also, CPU 11 records resuming environment information showing a reproduction environment state at the time in the UTOC region. When the optical disk 1 is reset and the start of reproduction is instructed, the CPU 11 checks the resuming address and resuming environment information required for the resuming operation referring to the UTOC region. The CPU 11 restarts continuous reproduction operation at the time of reproduction stop by the resuming address and the resuming environment information and reproduces a reproduction environment state at the time.



CAL STATUS

ate of request for examination]

ate of sending the examiner's decision of rejection]

nd of final disposal of application other than the
aminer's decision of rejection or application converted
istration]

ate of final disposal for application]

atent number]

ate of registration]

umber of appeal against examiner's decision of
ection]

ate of requesting appeal against examiner's decision of
ection]

ate of extinction of right]

(19)日本国特許庁 (J P)

(12) 公開特許公報 (A)

(11)特許出願公開番号

特開平10-97766

(43)公開日 平成10年(1998)4月14日

(51)Int.Cl.	識別記号	P I
G 1 1 B 20/10	3 2 1	G 1 1 B 20/10 3 2 1 Z
19/02	5 0 1	19/02 5 0 1 E

審査請求 未請求 請求項の数7 OL (全8頁)

(21)出願番号 特願平9-245301

(22)出願日 平成8年(1996)9月17日

(71)出願人 000003078

株式会社東芝

神奈川県川崎市幸区堀川町72番地

(72)発明者 桑原 真帆

神奈川県川崎市幸区小向京芝町1番地 株

式会社東芝研究開発センター内

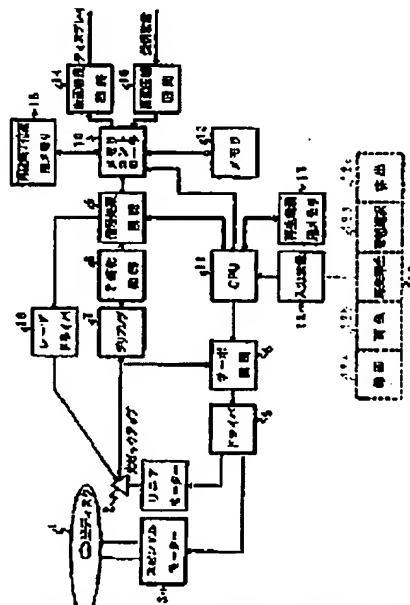
(74)代理人 弁理士 錦江 武彦 (外6名)

(54)【発明の名称】 光ディスク記録再生装置及び同装置に適用する再生制御方法

(57)【要約】

【課題】光ディスクを装置から取出しても、いわゆるレジューム動作を有効に機能させて、継続的再生動作の再開を実現し、ユーザの再生に係る操作性を向上させることにある。

【解決手段】例えばDVDのような大容量の記録再生可能な光ディスク1を使用する再生する光ディスク記録再生装置である。CPU11は、入力装置12からの再生停止の指示に従って記録領域の再生停止位置を検出し、この再生停止位置を示すレジュームアドレスを光ディスク1のUTOC領域に記録する。また、その時の再生環境状態を示すレジューム環境情報もUTOC領域に記録する。光ディスク1を再セットされて再生開始の指示がなされると、CPU11はUTOC領域を参照して、レジューム動作に必要なレジュームアドレスとレジューム環境情報をチェックする。そして、CPU11は、レジュームアドレスとレジューム環境情報により、再生停止時の継続的再生動作を再開し、その時の再生環境状態を再現する。



PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-330376

(43)Date of publication of application : 15.11.2002

Int.Cl.

H04N 5/765

G11B 20/10

H04N 5/76

H04N 5/781

H04N 5/907

Application number : 2001-134407

(71)Applicant : VICTOR CO OF JAPAN LTD

Date of filing : 01.05.2001

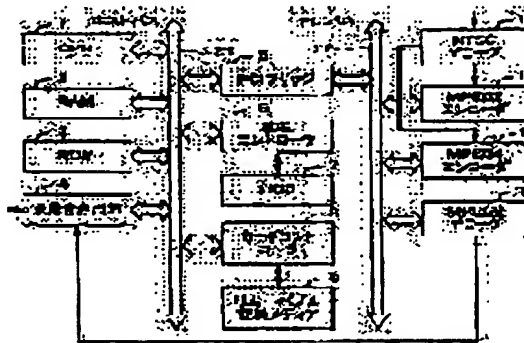
(72)Inventor : TERADA KATSUHIKO

INFORMATION RECORDING AND REPRODUCING SYSTEM, INFORMATION RECORDING DEVICE, AND
BILE TERMINAL

Abstract

PROBLEM TO BE SOLVED: To provide an information recording and reproducing system that coordinates a mobile terminal and a stationary recording device so as to allow a viewer to continuously view/listen to video audio information independently of indoor or outdoor.

SOLUTION: The information recording and reproducing system includes information compression processing to a received video and audio signal in compliance with the MPEG 2 and MPEG 4 and records the result to an HDD 7. When a user makes a copy operation during reproduction of information recorded on the HDD 7, the information compressed in compliance with the MPEG 4 corresponding to part successive to the information that is reproduced is copied to a removable recording medium 9. The removable recording medium 9 can be loaded to a mobile terminal having a reproduction function of video/audio information, and the user can view/listen to the information recorded by the mobile terminal.



LEGAL STATUS

Date of request for examination]

29.09.2003

Date of sending the examiner's decision of rejection]

Date of final disposal of application other than the
examiner's decision of rejection or application converted
into a patent]

Date of final disposal for application]

Patent number]

Date of registration]

Number of appeal against examiner's decision of
rejection]

Date of requesting appeal against examiner's decision of
rejection]

Date of extinction of right]

(10) 日本国特許庁 (JP)

(12) 公開特許公報 (A)

(11) 特許出願公開番号

特開2002-330376

(P2002-330376A)

(43) 公開日 平成14年11月15日 (2002.11.15)

(51) Int. Cl.	識別記号	FI	キーワード (参考)
H04N 5/166		G11B 20/10	311 5C062
G11B 20/10	811	H04N 5/16	Z 5C058
H04N 5/16		5/907	B 5D044
5/781		5/81	L
5/907		5/781	510F
審査請求 未請求 請求項の数 5 OL (全 8 頁)			

(21) 出願番号 特願2001-134407 (P2001-134407)

(22) 出願日 平成13年5月1日 (2001.5.1)

(71) 出願人 000004328

日本ビクター株式会社

神奈川県横浜市神奈川区守屋町3丁目12番地

(72) 発明者 寺田 寛孝

神奈川県横浜市神奈川区守屋町3丁目12番地 日本ビクター株式会社内

(74) 代理人 100105119

弁理士 新井 平治

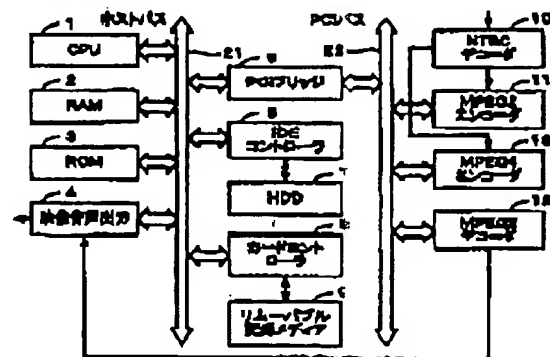
最終頁に続く

(54) 【発明の名称】 情報記録再生システム、情報記録装置、及び携帯端末

(57) 【要約】

【課題】 携帯端末と挿え置き型の記録装置とを連携させ、映像音声情報を屋外、屋内に関わらず、継続的に視聴することが可能な情報記録再生システムを提供する。

【解決手段】 入力される映像信号及び音声信号に対してMP E G 2及びMP E G 4による情報圧縮処理を行い、HDD 7に記録する。HDD 7に記録された情報の再生中に、ユーザがコピー指示を行うと、再生中の情報の続きの部分に対応する、MP E G 4で圧縮された情報がリムーバブル記録メディア 9にコピーされる。リムーバブル記録メディア 9は、映像音声情報の再生機能を有する携帯端末に装着可能であり、携帯端末により記録された情報が視聴される。



RECEIVED
CENTRAL FAX CENTER

JAN 23 2007

Mailed February 21, 2006

NOTICE OF GROUND OF REJECTION

Patent Application No.	2002-372101
Drafting Date	February 17, 2006
Patent Office Examiner	Tetsu Saito (4232 5Q00)
Attorney	Mr. Hisao Fukami (et al.)
Applied Provision	Paragraph 2 of Article 29

The present application shall be recognized to be rejected on the following ground. It is required that the remarks, if any, be submitted within 60 days from the date on which the present NOTICE was mailed.

GROUND

It is recognized that, because the invention described in Claims of SCOPE OF CLAIMS FOR PATENT of the present application could have been invented readily by a person having ordinary knowledge in the field of the art to which the present invention pertains prior to the filing of the present application based on the invention as described in the following publications distributed or the invention as made available to the public through electric telecommunication lines in Japan and/or foreign countries prior to the filing of the present application, a patent cannot be granted thereto under the provision of Paragraph 2 of Article 29 of the Patent Law.

REMARKS (See the list of the cited references.)

- Claim 2
- Cited references 1-4
- Note

Cited reference 1 describes the technique to lessen the likelihood of failure to update control information due to power cutoff by updating a

RECEIVED
CENTRAL FAX CENTER

JAN 23 2007

Mailed May 23, 2006

FINAL DECISION FOR REJECTION

Patent Application No.	2002-372101
Drafting Date	May 16, 2006
Patent Office Examiner:	Tetsu Saito (4232 5Q00)
Title of the Invention	Data Storage and Reproduction Apparatus
Applicant for Patent:	FUNAI ELECTRIC CO., LTD.
Attorney:	Mr. Hisao Fukami (et al.)

It is recognized that the application should be rejected on the ground described in the Notice of Ground of Rejection of February 17, 2006.

Meanwhile, the remarks and the amendment were reviewed but no basis for overcoming the ground of rejection was found.

Note:

As to claims 1 to 3, it has been known to a person skilled in the art prior to filing of the subject application that reproduction position information is stored for each program in a data storage and reproduction apparatus capable of recording a plurality of programs, as disclosed, for example, in paragraph [0022] and Fig. 5 of Japanese Patent Laying-Open No. 2002-330376. Therefore, no noticeable effect is found in the feature to "cause the latest of said storage position information and the latest of said reproduction position information to be stored in said second area with a flag at every prescribed time" "for each program," that is asserted by the Applicant as being different, as a result of amendment, from each reference cited in the previous notice of ground of rejection.

Considering commonness in the field of the art known to a person skilled in the art from the references cited in the previous notice of ground of rejection, Japanese Patent Laying-Open No. 2002-330376 and the like, it is determined that the invention according to claims 1-4 could have been invented readily by a person skilled art based on the references and the



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

RECEIVED
JUN 07 2006
OSHA • LIANG LLP

OSHA LIANG L.L.P.
1221 MCKINNEY STREET
SUITE 2800
HOUSTON TX 77010

COPY MAILED

JUN 02 2006

OFFICE OF PETITIONS

In re Application of
Tadahiro Naitoh et al
Application No. 10/735,935
Filed: December 15, 2003
Attorney Docket No. 04536.027001

ON PETITION

This is a decision on the petition, filed May 25, 2006, under 37 CFR 1.313(c)(2) to withdraw the above-identified application from issue after payment of the issue fee.

The petition is **GRANTED**.

The above-identified application is withdrawn from issue for consideration of a submission under 37 CFR 1.114 (request for continued examination). See 37 CFR 1.313(c)(2).

Petitioner is advised that the issue fee paid on May 25, 2006 in the above-identified application cannot be refunded. If, however, the above-identified application is again allowed, petitioner may request that it be applied towards the issue fee required by the new Notice of Allowance.¹

Telephone inquiries should be directed to the undersigned at (571) 272-3208.

The examiner of Technology Center AU 2189 will consider the request for continued examination under 37 CFR 1.114.

Karen Creasy

Karen Creasy
Petitions Examiner
Office of Petitions

Docketed Action:		
<input type="checkbox"/> New	<input type="checkbox"/> Previously	<input checked="" type="checkbox"/> Non Required
Docket Number: 04536/027001		
Attorney Initials: JPO / NJP		
Docketing Initials: DKS		

¹ The request to apply the issue fee to the new Notice may be satisfied by completing and returning the new Issue Fee Transmittal Form PTOL-85(b), which includes the following language thereon: "Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or re-apply any previously paid issue fee to the application identified above." Petitioner is advised that, whether a fee is indicated as being due or not, the Issue Fee Transmittal Form must be completed



EXHIBIT 3



UNITED STATES PATENT AND TRADEMARK OFFICE

JAN 23 2007

 UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

 22511 7590 07/25/2006
 OSHA LIANG L.L.P.
 1221 MCKINNEY STREET
 SUITE 2800
 HOUSTON, TX 77010

EXAMINER

PEIKARI, BEHZAD

ART UNIT

PAPER NUMBER

2189

DATE MAILED: 07/25/2006

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,935	12/15/2003	Tadahiro Naitoh	04536.027001	3714

TITLE OF INVENTION: DATA STORAGE AND REPRODUCTION APPARATUS STORING AND REPRODUCING MULTIMEDIA DATA

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	\$1400	10/25/2006

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

JAN 23 2007

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

22511 7590 07/25/2006

OSHA LIANG L.L.P.
1221 MCKINNEY STREET
SUITE 2800
HOUSTON, TX 77010

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmittal.

Certificate of Mailing or Transmittal

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,935	12/15/2003	Tadahiro Naitoh	04536.027001	3714

TITLE OF INVENTION: DATA STORAGE AND REPRODUCTION APPARATUS STORING AND REPRODUCING MULTIMEDIA DAT.

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$1400	\$1400	10/25/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
PEIKARI, BEHZAD	2189	711-161000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1	_____
2	_____
3	_____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(e)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



UNITED STATES PATENT AND TRADEMARK OFFICE

JAN 23 2007

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,935	12/15/2003	Tadahiro Naitoh	04536.027001	3714
22511	7590	07/25/2006		
OSHA LIANG L.L.P. 1221 MCKINNEY STREET SUITE 2800 HOUSTON, TX 77010				
			EXAMINER	
			PEIKARL BEHZAD	
			ART UNIT	PAPER NUMBER
			2189	
DATE MAILED: 07/25/2006				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
 (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 322 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 322 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

JAN 23 2007

Notice of Allowability	Application No.	Applicant(s)	
	10/735,935	NAITOH ET AL.	
	Examiner	Art Unit	
	B. James Peikari	2189	

- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the RCE filed on May 25, 2006.
2. ☒ The allowed claim(s) is/are 1-4.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>5/25/06</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |


B. James Peikari
Primary Examiner
Art Unit: 2189



PTO/SB/08a/b (07-06)

Approved for use through 07/31/2008. OMB 0631-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/735,935-Conf. #3714
		Filing Date	December 15, 2003
		First Named Inventor	Tadahiro Naitoh
		Art Unit	2189
		Examiner Name	Kravets, Leonid PEIKAR
Sheet 1 of 1	Attorney Docket Number	04538/027001	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	Foreign Patent Document Country Code* - Number* - Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T‡
BJP	BA	JP-7-249261	09-28-1995	Aiwa Co. Ltd.		
BJP	BB	JP-5-314726	11-28-1993	Sony Corp.		
BJP	BC	JP-9-198848	07-31-1997	Hitachi Ltd.		
BJP	BD	JP-2001-312875	11-09-2001	Matsushita Electric Ind. Co. Ltd.		
BJP	BE	JP-64-10465	01-13-1989	Matsushita Electric Ind. Co. Ltd.		
BJP	BF	JP-10-97766	04-14-1998	Toshiba Corp.		
BJP	BG	JP-2002-330376	11-15-2002	Victor Co. of Japan Ltd.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with need communication to applicant. †Applicant's unique citation designation number (optional). ‡See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 601.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). †For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ‡Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language translation is attached.

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published.				T‡
BJP	CA	Patent Abstracts of Japan, Publication No.: 07-249261, Publication Date: September 26, 1995, 1 page.				
BJP	CB	Patent Abstracts of Japan, Publication No.: 05-314728, Publication Date: November 28, 1993, 1 page.				
BJP	CC	Patent Abstracts of Japan, Publication No.: 09-198848, Publication Date: July 31, 1997, 1 page.				
BJP	CD	Patent Abstracts of Japan, Publication No.: 2001-312875, Publication Date: November 09, 2001, 1 page.				
BJP	CE	Patent Abstracts of Japan, Publication No.: 64-010465, Publication Date: January 13, 1989, 1 page.				
BJP	CF	Patent Abstracts of Japan, Publication No.: 10-097766, Publication Date: April 14, 1998, 1 page.				
BJP	CG	Patent Abstracts of Japan, Publication No.: 2002-330376, Publication Date: November 13, 2002, 1 page.				
BJP	CH	Japanese Office Action issued for Japanese Application No. 2002-372101, mailed on February 21, 2006, and English translation thereof, 5 pages.				
BJP	CI	Japanese Final Decision for Rejection issued for Japanese Application 2002-372101, mailed on May 23, 2006, and English translation thereof, 4 pages.				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not

Examiner Signature	<i>B. Liang</i>	Date Considered	7/7/06
--------------------	-----------------	-----------------	--------

EXHIBIT 4

JAN 23 2007

Docket No.: 04536/027001
(PATENT)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:
Tadahiro Naitoh et al.

Application No.: 10/735,935

Confirmation No.: 3714

Filed: December 15, 2003

Art Unit: 2189

For: DATA STORAGE AND REPRODUCTION
APPARATUS STORING AND
REPRODUCING MULTIMEDIA DATA

Examiner: Peikari, Behzad

DECLARATION OF DEBORAH K. DOYLE


In connection with the Notice of Abandonment dated November 29, 2006, for failure to timely pay the Issue Fee after mailing of a Notice of Allowance for the referenced application, this declaration sets forth the pertinent facts proving non-receipt of the Notice of Allowance dated July 25, 2006.

1. I, Deborah K. Doyle, work in the docketing department at Osha Liang LLP as a Docketing Specialist.
2. When any communication that involves an original action (e.g., correspondence from the United States Patent and Trademark Office (USPTO), correspondence from foreign associates, internal emails requesting addition of a docket item, etc.) is received by the docketing department, either myself or another individual in the docketing department handwrites an entry recording the required action in a docket journal. This entry includes, at least, the date the communication is received, the matter number for the action, the initials of the responsible attorney, a brief description of the original action (e.g., Issue Fee), and the due date. In addition, either I or another individual in the docketing department enters the original action into the electronic docketing system.

3. After the original action related to the communication is docketed, a docket sheet is printed that includes the newly docketed action. A docket sheet reflects all actions (e.g., pending and completed) docketed for a particular matter.
4. Pages 124-141 of the docket journal, a true copy of which is attached to this declaration, includes entries for all original actions received by the docketing department during the relevant time period (i.e., July 25, 2006 to August 22, 2006) when the Notice of Allowance dated July 25, 2006, might reasonably have been received.
5. Upon my inspection of the docket journal, I find no entry related to a Notice of Allowance for the referenced application in the pages from the relevant time period.
6. The computer generated docket sheet also attached to this declaration is representative of all action items entered into the docketing system for the referenced application prior to the docketing department receiving the Notice of Abandonment dated November 29, 2006. If the Notice of Allowance dated July 25, 2006 had been received by the docketing department, additional entries regarding due dates for payment of the Issue Fee would be present on this sheet. Upon my inspection of the docket sheet, I find no entry related to a Notice of Allowance for the referenced application.
7. Activities discussed in items 1-3 were carried out in the United States of America, in a NAFTA country or in a WTO member country.

I, Deborah K. Doyle, hereby declare that all statements made herein of my own knowledge are true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signed this 23rd day of January, 2007.


Deborah K. Doyle

Attachments: Docket Journal Copies
Computer Generated Docket Sheet

124

7-25-06	17245/012CA1 (LIR) FF convention ends	7-27-06
	17245/012CN1	
	17245/012AM1	
	17245/012EU1	
	17245/012IN1	
	17245/012JP1	
	17245/012MX1	
	17245/012RU1	
	17245/012SG1	
	17245/012ER1	
	17245/012TW1	
7-19-06	5115/230001 (JPD) missing PHS (ZM)	9-14-06
7-14-06	04995/312001 (JPD)	9-12-06
7-14-06	04995/314001 (JPD) reg correct OIR	9-12-06/9-12-06
7/24/06	17102/031001 (JPD) Appl Dahn - PCT 30M	8/13/06
7/26/06	17102/032001 (JPD) Appl Dahn - PCT 30M	8/23/06
7/26/06	17102/033001 (JPD) Appl Dahn - PCT 30M	8/16/06
7-13-06	04995/313001 (JPD) IDS	9-20-06
7-14-06	03226/776001 (AZO) IDS/FF Due	8-10-06/11-4-06
7-14-06	17244/008001 (RPH) IDS	8-15-06
7/25/06	05542/126001 (JSB) File Patent Appln	8/8/06
7/26/06	05516/303001 (JSB) Draft to client	8/26/06
7/26/06	09428/204001 (TCL) Prepare Opinion	8/17/06
7/26/06	17285/001001 (TCL) General	-
7/26/06	17285/002001 (TCL) Comment to client	8/7/06
7-26-06	03226/500001 (REB) EX/FE/Notice of Appeal	8-27-06/9-27-06/12-27-06
7-25-06	15115/076001 (JPD) broad issue DL / 1st main IFEE	8-8-06/29-10
	05516/145002 (HLH) Reg. Pat Ter Adj / Broad Issue DL	8-8-06/9-8-08
	16159/142001 (RPH) broad issue DL	8-8-08
7/27/06	15115/239001 (JPD) Appl Filing Deadline	8/11/06
7/27/06	02008/362001 (TKS) Appl Dahn - PCT 30M	8/5/06
7/27/06	02008/363001 (TKS) Appl Dahn - PCT 30M	8/28/06

125

7-06	7-27-06	03115/043001	(TKS) FLA CPA	8-3-06
	7-27-06	03115/044001	(TKS) FLA CPA	8-3-06
	7-27-06	03115/045001	(TKS) FLA CPA	8-3-06
	7-27-06	03115/046001	(TKS) FLA CPA	8-3-06
	7-27-06	04536/032001	(JPO) Foreign Art - IDS	10-11-06
	7/27/06	17286/806001	(JPO) Appl. Data - PCT 30M	8/11/06
	7-20-06	17116/004EP1	(JWM) Instruct FA / Add'l Search Fees	8-5-06
	7-20-06	17116/004002	(JWM) Foreign Art - IDS	10-5-06
	7-20-06	05516/246CA1	(JSB) Docs to FA / Assign	10-14-06
	7-27-06	17245/012BGI	(LLR) Docs to FA / Decl & prior doc	10-26-06
	7-27-06	17245/012INI	(LLR) " / prior doc	10-26-06
26	7-20-06	17245/012ENI	(LLR) " "	9-26-06 10-26-06 9-26-06 10-26-06
	7-26-06	17245/012JPI	(LLR) " "	7-26-06 10-26-06
19-12-06	7-26-06	17245/012KRI	(LLR) " "	10-26-06
8/13/06	7-25-06	17245/012MX1	(LLR) " "	4-26-06 10-26-06
8/23/06	7-25-06	05542/092ARI	(LLR) " / Assign & prior doc	10-27-06
8/16/06	7-25-06	05542/092RC1	(JSB) " "	10-29-06
20-06	7-27-06	17246/003CNS	(TCL) " / POA	10-5-06
4-06	7-27-06	05542/019EP1	(JSB) Instruct FA / RDA	9-29-06
-06	7-20-06	03850/029001	(JPO) Comments to Client	7-28-06
78/06	7-27-06	07700/077001	(JPO) File Form & Repairs	10-7-06
426/06	7-24-06	05516/229GB1	(JSB) Instruct FA / RDA	3-12-07
7/17/06	7-24-06	05516/229002	(JSB) Foreign Art - IDS	10-7-06
-	7-24-06	05516/229CA1	(JSB) " "	10-7-06
7/7/06	7-26-06	02008/183001	(TKS) Foreign Art - IDS	10-25-06
12-27-06	7-28-06	09467/049001	(RPL) Rev. / Preliminary Amendment	8-4-06
7-29-10	7-22-06	09467/049W01	(RPL) Appl. Filing DL	8-4-06
7-08	7-27-06	09467/049GC1	(RPL) Appl. Filing DL	8-4-06
1-08	7-28-06	05516/235004	(JPO) File Patent Appn.	7-28-06
11/06	7-27-06	02008/052002	(TKS) RLE, Reg. W/P of Issu	7-28-06
5/06	7-28-06	15115/001001	(RPL) Comments to client	7-31-06
28/06	7-28-06	04150/002002	(JPO) Comments to client	8-7/06

127

				1/10/07 → 2/24/07
06	7-27-06	03226/305001 (AZA)	EARLY Resp / FINAL Rej -	7-24-06 / 10-24-06
06	7-27-06	03226/47001 (RPL)	Resp to OIA	10-24-06
06	7-24-06	09430/256001 (JSB)	Issue Fee - 2wk / Issue Fee	10-4-06 / 10-21-06
06	7-24-06	12088/020001 (JPO)	Issue Fee - 2wk / Issue Fee	10-4-06 / 10-21-06
06	7-24-06	03115/049001 (TKS)	Formal draw / Issue Fee - 2wk / Issue Fee	8-12-06 / 9-25-06 / 10-12-06
06	7-26-06	03115/034001 (TKS)	Issue Fee - 2wk / Issue Fee	10-7-06 / 10-24-06
06	7-28-06	03115/073001 (TKS)	Issue Fee - 2wk / Issue Fee	10-8-06 / 10-25-06
06	7-28-06	05516/086003 (JSB)	Issue Fee - 2wk / Issue Fee	10-9-06 / 10-26-06
06	7-28-06	04995/042001 (JPO)	Issue Fee - 2wk / Issue Fee	10-7-06 / 10-24-06
06	7-28-06	03115/074001 (TKS)	Issue Fee - 2wk / Issue Fee	10-8-06 / 10-25-06
06	7-31-06	17081/012001 (JPO)	Formal draw / Issue Fee - 2wk / Issue Fee	8-26-06 / 10-9-06 / 10-26-06
06	7-31-06	14200/016001 (JPO)	Issue Fee - 2wk / Issue Fee	10-9-06 / 10-26-06
06	7-28-06	17087/002001 (JPO)	Resp to OIA	10-25-06
06		02008/090001 (TKS)	EARLY Resp / FINAL Rej / OIA	9-25-06 / 10-25-06 / 1-25-07
06		11345/040001 (JPO)	" " "	7-25-06 / 10-25-06 / 12-07-06
06		03226/542001 (RPL)	Resp to DA (IM)	8-24-06
06	7-25-06	09469/034001 (RPL)	Resp to Written Opn; Search Resps; CHII	9-19-06; 10-19-06
06	7-25-06	17245/012001 (LLR)	Docs to FA / Prior docs	10-26-06
06	7-31-06	05516/175002 (JSB)	Comments to Client	8-30-06
06	8/1/06	02008/365001 (JPO)	App'l Ddln - PCT30M	8/19/06
06	8/1/06	11345/023001 (JPO)	Comments to Client	8-14-06
06	8/1/06	04995/240001 (JPO)	File Formal Papers	8-28-06
06	8/1/06	05516/056004 (JSB)	Comments to Client	8-18-06
06	8/1/06	14200/040001 (JPO)	Comments to client / App'l Filing Deadline	10/9/06; 11/1/06
06	8/1/06	14200/041001 (JPO)	" "	"
06	7-24-06	07522/052001 (LLR)	Aff of Use / Aff w/ Renewal	7-18-12 / 7-18-16
06	8-1-06	17245/013001 (LLR)	Priority Action / Resp to OA	10-1-06 / 2-1-07
06	7-31-06	17105/002001 (LLR)	Resp to OA Reminder / Resp to OA	9-20-06 / 12-20-06
06	7-25-06	17261/003001 (JPO)	Foreign Art - IDS	10-17-06
06	7-31-06	09469/047001 (RPL)	Assign; POA	9-22-06
06	7-31-06	05542/092001 (JSB)	Instruct FA / Priority Claim	9-26-06
06	7-31-06	"	Docs to FA / Drawings; Assign; Prior docs, Vol And Request Exam	10-26-06 / 7-28-07

128

7-25-06	17169/005EP1 (JPO) Record in HIC	2-9-07
7-25-06	09469/024EP1 (RPL) "	2-9-07
7-25-06	03226/521EP1 (REP) "	2-9-07
7-25-06	05542/017MX1 (JSB) Instruct FA / Issue Fee	8-15-07
7-28-06	11345/091001 (JPO) Renewed Petition	9-26-06
7-25-06	04995/292001 (JPO) Foreign Art -IDS	10-18-06
7-25-06	15115/152001 (JPO) "	10-14-06
7-26-06	05116/181002 (JSB) "	10-6-06
7-26-06	05115/181CA1 (JSB) "	10-6-06
7-25-06	05542/057002 (JSB) "	10-14-06
7-25-06	05542/057001 (JSB) "	10-14-06
8-1-06	14335/002EP1 (RPL) Instruct FA / ROA	9-11-06 9-25-06
7-25-06	17245/002EUI (LLR) " / Watch S.C.	8-28-06
7-26-06	05516/1916B2 (JSB) " / PDA	10-6-06 11-6-06
7-25-06	05542/057W01 (JSB) Search Response; Resp to Written Qn	9-14-06 1-7-07
8/1/06	17248/004001 (JSB) Draft to client	9/1/06
8/2/06	02008/262001 (TKS) Contact Examiner	8-4-06
8/2/06	04995/318001 (JPO) File formal Papers	10-11-06
8/2/06	04995/260001 (JPO) File formal Papers	2-1-07
8-2-06	04995/276001 (JPO) Comm w/ Exam.	8-4-06
8-2-06	15115/062001 (JPO) Foreign Art -IDS	8-2-06
8-1-06	02008/255001 (TKS) Foreign Art -IDS	10-25-06
8-2-06	15115/230001 (JPO) Comments to Client	8-16-06
8-1-06	05516/061002 (JSB) Reply Brief	9-27-06
8-2-06	05542/092VE1 (JSB) Docs to FA (Decl); immunity	8-23-06 7-31-07 7-15-06
8-2-06	17224/005CN1 (LLR) Instruct FA / ROA	8-26-06
8-2-06	17224/005CN3 (LLR) " "	"
8-2-06	05542/080AR1 (JSB) Docs to FA / Prior doc assign	9-19-06
8-3-06	04536/148001 (JPO) File formal Papers / File Assign	10-14-06 / 10-26-06
8-3-06	17170/002001 (JPO) Comments to Client	8-5-06
7-31-06	09469/047PE1 (RPL) Docs to FA / Prior Doc	10-7-06 / 11-3-06
7-28-06	17245/007BR1 (RPL) " / Fig 2 i Instruct FA / reg. exam	9-12-06 12-2-06

129

7-31-06	17102/015001 (JPO) Early Resp. / Final Rg. / Not a Appeal	9-26-06
	17109/012001 (JPO) " " "	10-26-06/11-26-07
	16159/083001 (AZO) " " "	9-26-06/10-26-06/11-26-07
	03226/302001 (AZO) Resp. to OA	9-26-06/10-26-06/11-26-07
7-28-06	12088/021001 (JPO) " "	10-26-06
7-31-06	15115/095001 (JPO) " "	10-26-06
	07700/048001 (JPO) " "	10-25-06
	04558/078001 (TKS) " "	10-27-06
	04558/078002 (TKS) Foreign Art-IDS	10-26-06
07-28-06	05516/144001 (CAB) " "	10-26-06
	05516/144002 (JSB) Comments to Client / Resp to OA	10-25-06
	05516/216002 (JSB) Missing Pts (2m)	9-5-06/10-25-06
8/3/06	05516/304001 (JSB) File Patent Appln	9-26-06
"	04995/324001 (JPO) Appl Filing Deadline	9/20/06
"	04995/325001 (JPO) Appl Filing Deadline	8/18/06
8-1-06	15115/220001 (JPO) Contact PTO	8/18/06
8-1-06	05516/255001 (JSB) Issu Fee - zwic / Issu Fee / FR - Dwa	8-15-06
8-1-06	02008/200001 (TKS) Issu Fee - zwic / Issu Fee	10-10-06/10-27-06/11-4-06
7-21-06	05516/137001 (JSB) Report Letters Patent	10-11-06/10-28-06
7-31-06	15115/199001 (JPO) Foreign Art-IDS	8-11-06
8-4-06	11345/086001 (JPO) IDS w/ p10-1449	10-21-06
8-4-06	02008/219001 (TKS) IDS w/ p10-1449	9-1-06
8-4-06	03850/028001 (JPO) Comments to client	9-1-06
8-4-06	04995/277001 (JPO) Comments to client	8-11-06
8-4-06	04995/314001 (JPO) File Assign.	8-18-06
8-4-06	15115/236001 (JPO) IDS	11-1-06
8/4/06	17190/002002 (TCL) File Patent Appln	10-7-06
"	17190/004002 (TCL) File Patent Appln	8/12/06
"	17190/005002 (TCL) File Patent Appln	8/12/06
"	17269/003001 (JPO) Appl Filing Deadline	8/12/06
7-31-06	02008/131001 (TKS) Report Letters Patent	11/1/06
8-31-06	04995/136001 (JPO) Report Letters Patent	8-14-06
		8-14-06

130

7-31-06	04536/099001	(SPD) Report Letters Patent	8-14-06
7-31-06	03226/080002	(TKS)	8-14-06
7-31-06	03115/032001	(TKS)	8-14-06
08-01-06	03226/49001	(LPH) Early Resp. / Final Reg. / NDA	9-27-06/10-27-06
08-01-06	03226/443001	(LPH) Restoration Requirement	8-27-06
08-01-06	17169/007001	(JPD) Broad Leissner Dr. / 2 nd MAINT Fee	08-15-08/01-15-10
08-01-06	15115/132001	(JPD) " / "	08-15-08/02-15-10
08-01-06	11345/044001	(JPD) " / "	08-15-08/02-15-10
08-01-06	04995/121001	(JPD) Resp. to OA	10-27-06
08-01-06	11345/015001	(JPD) Resp. to OA	10-27-06
08-01-06	03226/873001	(A2D) Missing 149001/105	9-28-06/9-30-06
08-01-06	03226/885001	(A2D) " / "	9-28-06/9-30-06
7-24-06	03226/672001	(LPH) 105	9-22-06
	03226/812001	(LPH) 105	9-22-06
	03226/817001	(LPH) 105	9-22-06
	03226/814001	(LPH) 105	9-22-06
	37202/025001	(LPH) 105	9-22-06
	03226/765001	(A2D) FF Dues	11-04-06
	15115/217001	(JPD) Correct Hsmt Record	8-14-06
7-24-06	07709/067001	(JPD) Foreign Art - 105	8-10-06
8-2-06	09469/048001	(A2D) Docs to FTA	11-5-06
8-1-06	17245/012001	(LPH) Docs to FTA	9-27-06
8-7-06	09430/249004	(MCL) Transfer - 20K/15K Fee	10-17-06/11-3-06
8/7/06	17257/003001	(TKS) Large to client	8/28/06
8-7-06	04536/010001	(SPD) Foreign Art 105	10-4-06
8-7-06	09669/085001	(A2D) Comments to client	8-21-06
8-6-06	02008/331001	(TKS) Foreign Art - 105	10-7-06
8-7-06	17074/003001	(JPD) Comm. w/Exam.	8-11-06
8-7-06	07200/036001	(SPD) Comm. w/Exam.	8-11-06
8-7-06	07200/070001	(JPD) Foreign Art - 105	9-9-06
8-7-06	11056/014001	(TKS) Comments to client	8-21-06
8-7-06	14200/018001	(SPD) 105 w/101449	8-24-06

131

8-3-06	02008/197001 (TKS) Issuer-2wk / Issuer	10-14-06 / 10-31-06
8-7-06	09430/249006 (HLH) File Patent Appn	8-21-06
7-25-06	09432/332001 (JSB) CEB Correct OFR	9-20-06
8-1-06	17169/006002 (JPO) Foreign Art - IDS	10-26-06
8-1-06	17169/006001 (JPO) Search Response / Resp to Written Opn.	9-26-06 2-26-06
8-4-06	09469/047PE1 (RPL) Docs to FA/ROA; Annuity Due	9-7-06; 10/3/06 7/13/09
8-3-06	09777/170BE1 (JSB) Instruct FA/ROA	10-16-06
8-23-06	09469/039GB1 (RPL) Record HK	2-23-07
8-07-06	09469/024EA1 (RPL) Docs to FA/ROA	8-27-06
8-04-06	05542/017MX1 (JSB) Issue Fee; Docs to FA/ROA	8/15/06; 8/18/06
8-8-06	11345/071001 (JPO) Comments to client	8-15-06
8-8-06	17170/002001 (JPO) Form & Drawings	9-8-06
8-8-06	15115/061001 (JPO) Comments to client	8-11-06
8-8-06	04783/060001 (JPO) Comments to client	8-11-06
7-25-06	04995/307001 (JPO) IDS	9-27-06
	04995/303001 (JPO) IDS	9-27-06
	03226/813001 (RPL) IDS	9-22-06
	03226/815001 (RPL) IDS	9-22-06
	037202/05001 (RPL) IDS	9-27-06
8-1-06	03226/489001 (RPL) Resp to OA	10-27-06
	17170/011001 (JPO) "	10-27-06
	03226/317001 (RPL) "	10-27-06
	04783/012002 (JPO) "	10-28-06
	02008/248001 (TKS) "	10-28-06
	09469/059001 (RPL) "	10-28-06
	04995/158001 (JPO) Comments to client / Resp. to OA	6-8-06 / 10-31-06
	04783/012001 (JPO) Foreign Art / US	10-28-06
	14159/092001 (RPL) Early Resp / Final / ID	7-27-06 / 10-27-06 1-27-07

132

8-4-06	17243/005W02 (TEL)	Search Resps; Resp to Written Opn	10-3-06 12-9-06
8-3-06	17243/005CA1	Foreign Art - IDS	11-3-06
8-3-06	17243/005AU1		
8-3-06	17243/005001		
8-3-06	17243/005002		
8-3-06	17243/005U2		
8-3-06	17243/005CL1 ()		
8/8/06	17288/001001 (JPO)	General	
8/8/06	17288/002001 (JPO)	File Patent Appln	10/7/06
8/8/06	17288/003001 (JPO)		
8/8/06	17288/004001 (JPO)		
8/8/06	17288/005001 (JPO)		
8/8/06	17288/006001 (JPO)		
8/3/06	17105/005001 (LR)	File ITU Ext / 5mt of 4u	2-1-07 / 2-1-07
8-8-06	02208/149001 (TKS)	Issue Fee - 2w / Issue Fee	10-17-06 / 11-3-06
8-7-06	03226/349001 (A2D)	Issue Fee - 2w / Issue Fee	10-16-06 / 11-2-06
8-4-06	15115/026001 (JPO)	Issue Fee - 2w / Issue Fee	10-15-06 / 11-1-06
8-4-06	09430/26100 (HCH)	Resp. to OA (Imo)	9-2-06
8-4-06	09432/183002 (HCH)	Reply Brief	10-1-06
8-8-06	03226/291001 (TKS)	Adv. Action	9-4-06
8/8/06	17289/001001 (JSB)	General	
8/8/06	17289/002001 (JSB)	No Action docketed	
8/8/06	02008/366001 (TKS)	File Patent Appln	8/11/06
8-8-06	15115/241001 (JPO)	Pet to Review / File Patent Appln	8-11-06
8-9-06	05767/008001 (JPO)	Comments to Client	8-15-06
8-8-06	02008/276001 (TKS)	Comm. w/ Exam.	8-15-06
8-9-06	11345/040001 (JPO)	Comm w/ Exam.	8-30-06
8-9-06	09435/058101 (JSB)	Instruct FA / POA	1-6-07 7-6-07
8-9-06	09777/160001 (JSB)	Instruct FA / Issue Fee	8-28-06 9-28-06
8-7-06	17243/008W01 (JSB)	Search Resps / Resp to Written Opn	9-28-06 12-9-06
8-7-06	17243/008CL1 (TEL)	Foreign Art - IDS	9-8-06 10-8-06

133

8-8-06	05516/172601 (JSB) Territory/Working	8-23-09
8-9-06	17105/007001 (LLR) Comments to client	8-16-06
8-9-06	09430/346001 (HSH) Draft to client	8-31-06
8-9-06	15115/042001 (JPO) Comments to client	8-15-06
8-9-06	15115/240001 (JPO) Preliminary	8-10-06
8-9-06	04536/070001 (JPO) Comments to client	8-31-06
8-3-06	17195/002001 (JPO) Reg. Contact SKR	8-27-06
8-23-06	05516/2206001 (JSB) Record HK	2-23-07
8-9-06	08228/087001 (JPO) File Assign.	10-28-06
8-9-06	07200/002001 (JPO) Comments to Inventor	8-16-06
8-9-06	37182/002001 (RPL) Transfer File	8-16-06
8-9-06	37182/002101 (RPL) Transfer File	8-16-06
8/9/06	17277/003001 (JSB) Comments to client	11/8/06
8/9/06	17289/001001 (JSB) General	—
8/8/06	04536/028001 (JPO) Foreign At-305	8-30-06
8-10-06	11056/014001 (TKS) 1st Draft Am. / Final Draft Am.	10-10-06 / 11-10-06
8-10-06	03226/281001 (RPL) Resp to OA (period reset)	11-4-06
8-3-06	03226/884001 (AZA) LOS / Missing Pts	9-30-06 / 9-30-06
8-4-06	07700/077001 (JPO) Missing Pts (2m)	10-2-06
8-3-06	03226/876001 (AZA) Missing Pts / LOS	9-30-06 / 9-30-06
8-3-06	02468/005002 (JSC) Missing Pts	10-1-06
8-3-06	03226/977001 (AZA) Missing Pts / LOS	9-30-06 / 9-30-06
8-3-06	15115/234001 (JPO) Missing Pts / LOS	10-1-06 / 10-7-06
8-4-06	15115/204001 (JPO) Resp to OA	11-1-06
8-4-06	04995/318001 (JPO) Missing Pts	10-2-06
8-4-06	03226/405001 (RPL) Resp to OA	11-1-06
8-3-06	12088/034001 (JPO) Early Resp. / Final Rej. N/A	9-30-06 / 10-31-06
8-4-06	07208/085001 (TKS) " / " / "	10-1-06 / 11-1-06 / 2-1-07
8-4-06	17090/002001 (TCL) " / " / "	10-1-06 / 11-1-06 / 2-1-07
8/10/06	14200/042001 (JPO) Comments to client / File Patent Apph.	9/15/06, 9/30/06
8/10/06	14200/043001 (JPO) Comments to client / File Patent Apph.	8/21/06, 8/24/06

134

8/9/06	17242/012001 (TCL) Comments to client (RTOA)	8/15/06; 1/28/07
8/9/06	05542/128001 (JSB) File Patent Appn	8/23/06
8/9/06	05542/127001 (JSB) Draft to client	8/20/06
8-10-06	11345/071001 (JPO) Comm w/Exam.	8-24-06
8-10-06	04995/268001 (TKS)	8-11-06
8-10-06	17102/012001 (JPO)	8-11-06
8-12-06	05516/169002 (JSB)	10-23-06/11-9-06
8-9-06	04630/026001 (JSB) Issue fee - wkt/ Issue fee	10-4-06
8-8-06	04536/148001 (JPO) Missing Pts	8-22-08/2-22-10
8-7-06	02008/150001 (TKS) Broad Reissue DL / Intim Fee	8-22-08/2-22-10
8-7-06	07700/043001 (JPO) " / "	8-22-08/2-22-10
8-7-06	17216/004001 (JPO) " / "	8-22-08/2-22-10
8-7-06	15115/148001 (JPO) " / "	8-22-08/2-22-10
8-7-06	03226/234001 (RPL) Broad Reissue DL	8-22-08
8-7-06	13220/008001 (RPL) Reg. Pat turn Adm. / Broad Reiss DL	8-22-06/8-22-06
8-10-06	05516/061003 (JSB) Early Resp. / Final Rj. / NOA	10-7-06/11-7-06/2-7-07
8-08-06	04995/155001 (JPO) " / " / "	10-3-06/11-3-06/2-3-07
8-07-06	02008/154001 (TKS) " / " / "	10-2-06/11-2-06/2-2-07
8-07-06	17109/009001 (JPO) " / " / "	10-2-06/11-2-06/2-2-07
8-08-06	17170/014001 (JPO) Reg. OFR / Resp. to OA	9-18-06/11-3-06
8-10-06	02008/262001 (TKS) Resp. to OA	11-7-06
8-08-06	02008/284001 (TKS) Resp. to OA	11-3-06
8-07-06	15115/154001 (JPO) Resp. to OA	11-2-06
8-4-06	03226/465002 (RPL) Foreign Pat - IDS	11-1-06
	" / 465003 (RPL) " / "	11-1-06
	" / 465004 (RPL) " / "	11-1-06
	" / 465005 (RPL) " / "	11-1-06
	" / 465006 (RPL) " / "	11-1-06
8/10/06	07200/082001 (JPO) Appn Dcln - PET 300	8/18/06
8-10-06	17185/005002 (TCL) IDS w/ Pto-1449	8-17-06
8-9-06	15115/121001 (JPO) Foreign Pat - IDS	10-18-06

135

107	8-10-06	02008/135001 (TKS) Foreign Art IDS	10-4-06
	8-9-06	17242/0071002 (TCL) ICD/Response Due/ICP	9-8-06/9-8-06/23-06
	8-10-06	17135/006001 (TCL) IDS w/PTO-1449	9-10-06
	8-10-06	17135/002001 (TCL) IDS w/PTO-1449	9-10-06
	8-11-06	02008/111002 (TKS) Comments to client	8-11-06
	8-11-06	05516/268001 (JSB) Comments to client	8-11-06
	8/11/06	14200/044001 (JPO) Comments to client / Appl Filing Deadline 9/15/06; 9/30/06	
	8/11/06	14200/045001 (JPO) " "	"
	8-11-06	07522/095001 (LLR) Fil Assign	9-11-06
	8-11-06	04995/012001 (JPO) Comments to client	8-25-06
	8-11-06	17123/007001 (JWM) Att. w/ Renewal	1-7-2017
	8-9-06	09469/031001 (RPL) Assign	10-10-06
	8-14-06	17087/007001 (JPO) Int Discl Stmt	9-2-06
	8-13-06	09469/048002 (AZO) Prel Amendment	10-8-06
02	8/14/06	04995/326001 (JPO) Appl Filing Deadline	8/22/06
7	8/14/06	04995/327001 (JPO) Appl Filing Deadline	8/22/06
	8/14/06	03115/024001 (TKS) Instruct FA / DIV 8 Validation	10-6-06
		Validate Exam	12-6-06
		Request Grant HK	3-6-07
		Territory Protection	9-6-09
	8/14/06	05516/1736001 (HLH) Instruct FA / ROA	9-2-06
	8/14/06	05516/173001 (HLH) FA IDS	10-2-06
	8/14/06	05516/173001 (HLH) "	11-2-06
	8/11/06	17245/0021002 (LLR) Instruct FA / ROA	4-20-07
	8/14/06	17242/013001 (TCL) File Patent Appn	5-20-07
	8/14/06	09469/050001 (RPL) File Patent Appn	8/15/06
	8-14-06	11345/034001 (JPO) Comm. w/ Examiner / Comments to client	8-14/06
	8-14-06	02008/360001 (TKS) File Form 100 / File Assign / IDS	8-28-06
	8-14-06	07522/090002 (LLR) Opp motion to Compel	10-28-06
	8-11-06	03226/245001 (TKS) Issuance, 2nd / Issue Fee	8-25-06
	8-15-06	04783/033001 (JPO) Comments to Client	10-23-06 / 11-9-06
	8-14-06	17224/046001 (JSB) Comments to Client	8-29-06
			8-21-06

136

8-15-06	05516/168003 (JTB) Request Refund	8-29-06
8-15-06	04995/319001 (JTB) File Form 1 pages	10-11-06
8-11-06	15115/235001 (JTB) Comments to Client	8-18-06
7-31-06	05516/217002 (JTB) Missing Pts	9-27-06
7-31-06	04995/310001 (JTB) Correct Asmt Record	11-21-06
7-28-06	091609/045001 (AZA) Reg. Correct off	9-21-06
8-11-06	03226/889001 (AZA) Missing Pts (2nd) / JPS	10-9-06/10-20-06
7-26-06	03226/748002 (AZA) Foreign Filing Due	11-4-06
8-14-06	17169/009001 (JTB) Resp to Written Qn	3-23-07
8-14-06	17169/009001 (JTB) Foreign Art - IDS	11-10-06
8-15-06	05542/051001 (JTB) Instruct EA - ROM	12-31-06
8-15-06	05542/010001 (JTB) " "	1-31-07
8-15-06	07754/048001 (CLR) File Ftu Ext / Stmt of Use	10-10-06
8-14-06	17086/006004 (JTB) Issu Fee - w/ Issu Fee	10-24-06
8-14-06	02008/189001 (TKJ)	2-8-07
8-14-06	15115/061001 (JTB)	10-25-06/11-11-06
8-14-06	04536/124001 (JTB)	10-25-06/11-11-06
8-14-06	03226/274001 (TKJ)	10-24-06/11-10-06
8-14-06	03226/260001 (TKJ)	10-23-06/11-9-06
8-4-06	15115/087001 (JTB) Report Letters Patent	10-23-06/11-9-06
8-4-06	15115/091001 (JTB)	8-25-06
8-4-06	04995/141001 (JTB)	8-25-06
8-4-06	04536/046001 (JTB)	8-25-06
8-4-06	04536/056001 (JTB)	8-25-06
8-4-06	04995/059001 (JTB)	8-25-06
8-4-06	02008/052002 (TKJ)	8-25-06
8-4-06	04536/058001 (JTB)	8-25-06
8-4-06	04995/135001 (JTB)	8-25-06
8-4-06	04995/035001 (JTB)	8-25-06
8-4-06	04995/022001 (JTB)	8-25-06
8-11-06	05516/145002 (HCH)	8-28-06
8-11-06	04995/209001 (JTB)	8-28-06

138

8-11-06	03226/830001 (A2A) Missing Pts / IDS	10-9-06/10-20-06
8-77-06	15115/005002 (JPO) Issue Fee-201/ Issue Fee	10-29-06/11-15-06
8-78-06	15115/231001 (JPO) File Forward Papers / File Assign	12-8-06/10-5-06
8-11-06	11345/001003 (JPO) Uq. Correct OFR / Missing Pts /	10-9-06/3-9-06
8-11-06	03226/872001 (A2A) Missing Pts / IDS	10-9-06/10-20-06
	03226/898001 (A2A) " / "	10-9-06/10-20-06
	03226/829001 (A2A) " / "	10-9-06/10-20-06
	03226/893001 (A2A) " / LI	10-8-06/10-20-06
	03226/896001 (A2A) " / LI	10-8-06/10-20-06
	11345/001005 (JPO) Uq. Correct OFR / Missing Pts	10-8-06/10-8-06
	02008/112001 (TKS) Resp to OA	11-8-06
	03226/401001 (A2A) LI	11-8-06
	091619/042001 (A2A) Resp to OA (2M)	10-8-06
	11345/014001 (JPO) Resp to OA	11-4-06
	03226/277001 (TKS) Early Resp. / Final Resp. / NDA	10-8-06/11-8-06
08-14-06	05542/033001 (JPO) Foreign Act - ID	2-8-07
	05516/1143001 (JPO) "	11-8-06
	05516/147001 (JPO) "	11-9-06
	03226/331001 (RPL) Resp to OA	11-11-06
	03226/444001 (RPL) Resp to OA	11-11-06
	02008/196001 (TKS) Resp to OA	11-9-06
	17081/002001 (JPO) Resp to OA	11-10-06
	05516/147002 (JPO) Comments to Client / Resp to OA	11-11-06
	05516/143002 (JPO) " / "	9-22-06/11-11-06
	00542/033002 (JPO) Resp. to OA	9-20-06/11-9-06
	04995/170001 (JPO) "	11-8-06
	11345/1899001 (JPO) "	11-9-06
	15115/118001 (JPO) Early Resp. / Final Resp. / NDA	11-9-06
	04995/032001 (JPO) Early Resp. / Final Resp. / NDA	10-8-06/11-8-06
	17169/004001 (JPO) " / " / "	2-8-07
		11-1-06/11-11-06/2-11-06
		10-10-06/11-10-06/2-10-06

139

06	8-18-06	17245/002001 (LUC)	File ITU Ext.	3-1-07
06	8-18-06	07200/083501 (JPO)	PCT 31M DOLN	10-25-06
06	8-18-06	07200/083001 (JPO)	PCT 30M DOLN	9-25-06
06	8-21-06	02008/276002 (TKS)	File Divisional Spl.	9-21-06
06	8-21-06	04995/133001 (JPO)	Comments to client	9-4-06
06	8-21-06	14200/043001 (JPO)	Comments to client	8-22-06
06	8-21-06	11345/027001 (JPO)	Comm. w/ Examiner	8-28-06
06	8-21-06	11345/019001 (JPO)	Comments to client	9-4-06
06	8-21-06	17290/002001 (JPO)	Comment to client	8-22-06
06	8-21-06	04995/155001 (JPO)	Comment to client	9-20-06
06	8-21-06	12088/025001 (JPO)	Comments to client	8-28-06
06	8-18-06	17246/003002 (TCL)	Issue Fee - wk / Issue Fee	10-28-06 / 11-14-06
06	8-18-06	03226/283001 (RPL)	Issue Fee - wk / Issue Fee	10-29-06 / 11-15-06
06	8-18-06	03226/377001 (JPO)	Issue Fee - wk / Issue Fee	10-29-06 / 11-15-06
06	8-18-06	11345/044001 (JPO)	Report letter Patent	9-1-06
06	8-18-06	17169/007001 (JPO)		9-1-06
06	8-18-06	15115/132001 (JPO)		9-1-06
06	8-18-06	04995/211001 (JPO)		9-1-06
06	8-18-06	04995/210001 (JPO)		9-1-06
06	8-18-06	04995/208001 (JPO)		9-1-06
06	8-18-06	14200/015002 (JPO)	Report letter Patent / Reg. Int. Gov.	9-1-06 / 8-29-06
06	8-21-06	17284/003001 (RPL)	Restriction Requirement	8-19-06
06	8-14-06	15115/238001 (JPO)	Missing Pts / IDS	10-11-06 / 10-21-06
06	8-14-06	12088/022001 (JPO)	RESP 1M Noncomp. Andt	9-11-06
06	8-15-06	05510/221001 (JPO)	Rest. Requirement	9-11-06
06	8-16-06	04995/270001 (JPO)	Rest. Requirement	9-14-06
06	8-16-06	09432/295001 (JPO)	u	9-14-06
06	8-21-06	16159/012001 (REB)	Issue Fee - wk / Issue Fee	10-31-06 / 11-17-06
11-07	8-21-06	03310/018001 (TCL)	Issue Fee - wk / Issue Fee	10-31-06 / 11-17-06
06	8-21-06	04536/020001 (JPO)	Issue Fee - wk / Issue Fee	10-31-06 / 11-17-06
06	8-21-06	02008/201001 (TKS)	Issue Fee - wk / Issue Fee	10-31-06 / 11-17-06

140

8-21-06	17195/004001 (JPO)	Foreign Art - Jas	8-21-06
8-21-06	15115/095001 (JPO)	Comm 4 Exam.	8-23-06
8-18-06	17169/007601 (JPO)	Comment on Abstr.	9-17-06
		Search Response	10-17-06
		Resp to Written Opn.	3-17-07
8-18-06	05542/008001 (JSB)	Instruct FA / ROA	7-16-07/8-16-07
8-18-06	03226/521EPI (REB)	Instruct FA / Design/Exam Fee	1-9-07; 2-9-07
8-18-06	17169/005EPI (JPO)	" "	1-9-07; 2-9-07
8-21-06	09435/0582A1 (JSB)	" / Word Format of claims	9-4-06
8-17-06	09005/0200N1 (RPI)	Comments to Client	8-24-06
8-18-06	17169/012W01 (JPO)	Comment on Abstr.	9-14-06
		Search Resps	10-14-06
		Resps to Written Opn	5-8-07
8-18-06	17169/012001 (JPO)	Foreign Art - IDS	11-14-06
8-21-06	15115/193001 (JPO)	"	11-9-06
8-04-06	15115/201001 (JPO)	"	11-4-06
8-1-06	03226/883001 (AZD)	IDS	9-30-06
	04536/145001 (JPO)	IDS	10-3-06
	03226/850001 (AZD)	IDS	9-30-06
	03226/879001 (AZD)	IDS	9-30-06
	03226/870001 (AZD)	IDS	9-30-06
	03226/878001 (AZD)	IDS	9-30-06
8-3-06	04536/143001 (JPO)	Reg. Connect OFF / IDS	9-30-06/10-3-06
8-3-06	04536/144001 (JPO)	Reg. Connect OFF	9-30-06
8-4-06	03226/880001 (AZD)	IDS	9-30-06
	03226/807001 (JVS)	IDS	10-12-06
	03226/733001 (REB)	IDS	10-11-06
8-14-06	03310/032002 (TCL)	Broad Reissue DL / 1st Maint Fee	8-29-06/2-28-10
	02008/137001 (TKS)	" / "	8-29-08/2-28-10
	16159/007001 (REB)	Leg. Fed. Term Adjust / Broad Reissue DL	8-29-06/8-29-08
	16159/071001 (REB)	" / "	8-29-06/8-29-08
	09430/249002 (JSB)	Broad Reissue DL / 1st Maint Fee	9-29-08/2-28-10

141

	8-22-06	04536/076001	(JPO) Comm. w/ Exam.	8-23-06
	8-22-06	04536/050001	(JPO)	8-23-06
	8-22-06	04536/023001	(JPO)	8-23-06
	8-22-06	04995/061001	(JPO) Comm. w/ Exam.	8-23-06
	8-22-06	04995/268001	(TKS) Comments to client	8-29-06
1607	8-22-06	08228/001001	(JPO) Comments to client	8-29-06
7	8-22-06	04558/069001	(TKS) IDS w/ PB-1449	9-21-06
57	8-22-06	04730/007001	(JPO) Issuance-w/ Issuance	11-4-06/11-21-06
	8-22-06	17133/004001	(JPO) Issuance-w/ Issuance	11-1-06/11-18-06
	8-22-06	04995/172001	(TKS) Issuance-w/ Issuance	11-1-06/11-18-06
	8-22-06	05516/061003	(JPS) Comments to client	9-12-06
	8-11-06	03226/869001	(AZO) IDS	10-20-06
	8-11-06	11345/061002	(JPO) Reg. Correct OFR	10-9-06
	8-11-06	11345/061004	(JPO) Reg. Correct OFR	10-8-06
	8-11-06	03226/875001	(AZO) IDS	10-20-06
	8-11-06	03226/881001	(AZO) IDS	10-20-06
	8-23-06	07522/109001	(JPO) Comments to client	8-25-06
	8-23-06	17081/004001	(JPO) Comments to client	8-30-06
	8-23-06	15115/230001	(JPO) Fil. Assign.	11-10-06
	8-23-06	02008/108001	(TKS) Reg. Cert. of Conv.	9-5-06
	8-23-06	02008/280001	(TKS) Comments to client	9-13-06
	8-21-06	05516/078000	(JSB) Missing Pts (2M) / IDS	10-17-06/10-28-06
	8-22-06	02008/310001	(TKS) " / "	10-18-06/11-9-06
		37202/015001	(RPH) " / "	10-18-06/10-31-06
		02008/3103001	(TKS) Missing Pts (2M)	10-18-06
		02008/3105001	(TKS) Missing Pts (2M)	10-18-06
		07200/030001	(JPD) Broad Pussue DL / 1 st MAINT FEE	9-5-08/3-5-10
0		17170/007001	(JPD) " / "	9-5-08/3-5-10
2		03226/218001	(RPH) Broad Pussue DL	9-5-08
7-08:		05516/091003	(JSB) "	9-5-08
8		05516/128002	(JSB) "	9-5-08
✓		15115/114001	(JPD) Broad Pussue DL / 1 st MAINT FEE	9-5-08/3-5-10

Docket# 04536/027001

PRINTED ON: 01/19/2007

COUNTRY	US	UNITED STATES	TITLE		PRIOR	12/24/2002	
NEW/CON	CEQ	SERIAL#	10/735,935	DATA STORAGE AND REPRODUCTION APPARATUS STORING AND REPRODUCING MULTIMEDIA DATA	MAIL	12/15/2003	
RELATED	n/a	PATENT#			FILE	12/15/2003	
TYPE	UTL	STATUS	PUBLISHED		PUBL	Y 08/12/2004	
CLIENT	04536	Fukami Patent Office	1	CREF	903278-01 (Mkt); US- 600	1ST	12/15/2003
AGENT				AREF		EXP	12/15/2023

ID	O	ACTION	BASE	DUE IN	DUE	EXTNS	FINAL	EXT	RESPONSE	CALL UP	1	2	P
PD	Y	PRIORITY DOCUMENT	12/15/2003										
12/26/03: Rcv'd returned postcard date-stamped 12/15/03.													
FM	Y	FORMAL DRAWINGS	12/15/2003										
12/26/03: Rcv'd returned postcard date-stamped 12/15/03.													
AS	Y	ASSIGNMENT	12/15/2003										
12/26/03: Rcv'd returned postcard date-stamped 12/15/03.													
DO	N	APPL FILING DEADLINE	12/24/2002	12M	12/24/2003		12/24/2003	0	12/15/2003	1M	Y	Y	Y
12/26/03: Rcv'd returned postcard date-stamped 12/15/03.													
PC	N	POST CARD CHECK	12/15/2003	1M	01/15/2004		01/15/2004	0	12/26/2003	1M	Y	Y	Y
FS	N	FILG RCPT STATUS CHK	12/15/2003	3M	03/15/2004	11	04/15/2004	1	03/29/2004	1M	Y	Y	Y
DS	N	INF DISCLOSURE STMT	12/15/2003	3M	03/15/2004		03/15/2004	0	12/15/2003	1M	Y	Y	Y
12/26/03: Rcv'd returned postcard date-stamped 12/15/03.													
PU	N	PUBLICATION	12/24/2002	21M	09/24/2004		09/24/2004	0	08/12/2004	1M	Y	Y	Y
No Notice of Publication rcv'd although USPTO has correct address.													
CD	N	CONTACT EXAMINER	12/16/2005	4D	12/20/2005		12/20/2005	0	2/22/2005	0M	Y	Y	Y
12/20/05: Client fax - agree w/changes. 12/16/05: JPO email - Exr Kravets 571-272-2706 wants approval for some changes (case is allowable), give file to WA ASAP.													
	N	CONTACT EXAMINER	03/17/2006	7D	03/24/2006		03/24/2006	0	04/03/2006	1M	Y	Y	Y
04/03/06: NJP - Examiner will send Supplemental NOA. 03/17/06: Client fax - contact Examiner if necessary, as the Examiner's Amendment shows claims 1-4 allowed while the Notice shows only 1-3 claims allowed. (Conf rec'd 03/27)													
IF	N	1st ISSUE FEE	01/03/2006	3M	04/03/2006		04/03/2006	0	04/03/2006	1M	Y	Y	Y
04/11/06: Returned postcard date-stamped 04/03/06. 04/06/06: USPTO 04/03/06 Supplemental Notice of Allowability.													
IN	N	ISSUE NOTIFICATION?	04/03/2006	45D	05/18/2006	11	06/18/2006	1	05/30/2006	0M	Y	Y	Y
05/30/06: USPTO 05/24/06 Issue Notification. (Patent No. 7,062,152 Issue Date 06/13/06) 05/25/06: Filed Petition to Withdraw from Issue, RCE & IDS.													
CX	N	RQST CONTINUED EXAM	05/24/2006	1D	05/25/2006		05/25/2006	0	05/25/2006	1M	Y	Y	Y
06/02/06: Returned postcard date-stamped 05/25/06.													
ID	N	IDS W/ PTO-1449	05/24/2006	1D	05/25/2006		05/25/2006	0	05/25/2006	1M	Y	Y	Y
06/02/06: Returned postcard date-stamped 05/25/06. 05/24/06: Client fax - Ends: 02/21/06 & 05/23/06 OAs w/cited refs from corresp JP appl (transl will follow 05/25), file RCE & IDS before issuance.													
WI	N	REQ WITHDWL OF ISSUE	05/24/2006	1D	05/25/2006		05/25/2006	0	05/25/2005	1M	Y	Y	Y
06/07/06: USPTO 06/02/06 Decision on Petition - GRANTED. 05/24/06: Client fax - file petition to withdraw case from issue along with RCE and IDS.													
C2	N	COMMENTS TO CLIENT	12/12/2006	7D	12/19/2006		12/19/2006	0	2/14/2006	1M	Y	Y	Y
12/12/06: Client fax - advise official due date to file petition to accept late payment of issue fee due to unavoidable abandonment and advise probable cost to be incurred in proceeding to petition.													
C2	N	COMMENTS TO CLIENT	12/25/2006	2D	12/27/2006		12/27/2006	0	01/02/2007	1M	Y	Y	Y

12/26/06: Client 12/25/06 fax - questions re situation where NOA was not rcv'd by mail even though address was correct.

AW ☒ N REQ WITHDRAW ABANDON 11/29/2008 2 M 01/29/2007 0 01/29/2007 0 1 M Y Y Y

01/19: Client fax - file petition & apply issue fee pd 04/03/06.

12/12: Client fax - seeking instruc from client. (Conf 12/20)

NJP - with client's approval, will file petition to accept late pmt of issue fee.

12/04: USPTO 11/29/06 Notice of Abandonment.

INVENTORS

Tadahiro Naitoh

Makoto Takemoto

ASSIGNEES

Funai Electric Co., Ltd.

PRIOR APPLICATIONS

REFERENCE#

CNTRY

SERIAL#

FILED

TITLE / DESCRIPTION

TYPE

 JP 2002-372101 (P) 12/24/2002 APPL

USER-DEFINABLE FIELDS

PRIOR#

CUST#

LOCATN

22511

PATENT FIELDS

SMALL ENTITY

CLAIMS

PUBLICATION#

NO

4

US2004-0158767

ART UNIT

EXAMINER

CONFIRM#

2189

Behzad Peikari

3714

P33523US00

ENTERED

12/08/2003

MODIFIED

01/19/2007 3

BY

dkd

ATTORNEYS

JFO

/

JPO

/

NJP

NOTES

07/12/2004: USPTO 07/03/04 Notice of Recordation of Assignment Document.

12/15/2003: USPTO recorded assignment at Reel/Frame: 014812/0096.

December 15, 2006

To: Mail Stop EBC
Commissioner for Patents
P O Box 1450
Alexandria, VA 22313-1450

PCT patent application number: PCT/IB2005/053253

Customer Number: 57380

Attorney docket number: ERLG-P-038-WO

Re: Request to update a PCT application with a customer number

Please associate the above-listed PCT patent application number with the above-listed Customer Number for viewing of the above-listed PCT patent application in Private PAIR.

Please send notification regarding success or failure of this request to the following address:

Oppedahl & Olson LLP
P O Box 4850
Frisco, CO 80443-4850

The following attorney of record for the above-listed PCT patent application, with the attorney registration number listed below, has authority to make this request.

/s/

Carl Oppedahl
PTO Reg. No. 32746

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☒ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☒ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.